## For Research Use Only

SynDIG4/PRRT1 Polyclonal antibody

Catalog Number: 17261-1-AP 4 Publications



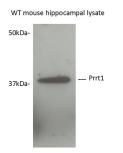
Size:       GeneID (NCB):       Recommended Dilutions:         LSOUL, Concentration: 260 µg/ml by       Nanodrop and 200 µg/ml by Radford method using BSA as the standard;       WB 1:500-1:1000         Nanodrop and 200 µg/ml by Radford method using BSA as the standard;       WB 1:500-1:1000       If 1:20-1:200         Source:       Calculated MW:       225aa,23 kDa; 306aa,31 kDa       Calculated MW:         Source:       Calculated MW:       225aa,23 kDa; 306aa,31 kDa       Calculated MW:         LigG       Dsserved MW:       1gG       35-40 kDa         Immunogen Catalog Number:       AG:10958       WB ::source:       IF, WB, ELISA         Species Specificity:       WB ::source:       IF : transfected cells,         IF, WB       Species Specificity:       IF : transfected cells,         MOUSE, rat       SynDIC4 [also known as Prt1 [proline -rich transmembrane protein 1]] has recently been identified as a compor of AMPAR complexes. SynDIGA is especially prominent in the hippocampus and particularly within CA1.The function of PRR1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications:       27800545       eNeuro       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Xiaofei Wang       26428718       Zoolog Sci       WB	Basic Information	Catalog Number: 17261-1-AP	GenBank Accessio BC013201	n Number:	Purification Method:	
150d. Concentration: 260 µg/ml by Bradford Nanodrop and 207 µg/ml by Bradford Source:       WB 1:200-1:200         Source:       If 1:20-1:200         Source:       Calculated MW:         Source:       Calculated MW:         Rabbit       225a:23 kDa; 306aa,31 kDa         Isotype:       Observed MW:         IgG       35-40 kDa         Immunogen Catalog Number:       AG10958         Applications:       Positive Controls:         IF, WBLISA       WB: mouse brain tissue, mouse hippocampal tiss         Cited Applications:       IF: transfected cells,         IF, WB       Species Specificity:         human, mouse, rat       Cited Species:         MOUSE, rat       Supplications         Variation of PRRT 1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author         Variation of PRRT 1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Storage         Storage       Storage:         Storage       Storage			-		Antigen affinity purification	
method using BSA as the standard:       potition-fick transmembrane protein 1         Source:       Calculated MW:         Rabbit       225aa,23 kDa; 306aa,31 kDa         Isotype:       Observed WM:         IgG       35-40 kDa         Immunogen Catalog Number:       AC0958         AC0958       WB: mouse brain tissue, mouse hippocampal tiss         Clied Applications:       IF, WB ELISA         IF, WB ELISA       WB: mouse brain tissue, mouse hippocampal tiss         Clied Applications:       IF: transfected cells,         IF, WB       Species Specificity:         human, mouse, rat       Clied Species:         MOUSE, rat       SynDIG4 [also known as Prt1 [proline-rich transmembrane protein 1]] has recently been identified as a comport         Atubor Of PRRT1 has not been widely studied, and is yet to be fully elucidated.       Notable Publications         Viadrei Wang       26428718       Zoolog Sci       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Xiaofei Wang       2422718       Zoolog Sci       WB         Xiaofei Wang       23216424       Mol Cell Neurosci         Storage       Storage:       Storage Euffer:       Storage Euffer:						
Rabbit     225a,23 KD; 306a,31 KDa       Isotype:     Observed MW:       IgG     35-40 kDa       Immunogen Catalog Number:     AG10958       Applications:     Fested Applications:       IF, WB,EUSA     WB: mouse brain tissue, mouse hippocampal tiss       Cited Applications:     IF: wB,EUSA       Species Specificity:     human, mouse, rat       Cited Species:     MOUSE, rat       Background Information     SynDIC4 [also known as Ptrt1 (proline-rich transmembrane protein 1)] has recently been identified as a compor       of AMPAR complexes:     SynDIC4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.       Notable Publications:     Author       Vubmed ID     Journal       Application     Application       Storage     Storage:       Storage     Storage			rutt Name.	nembrane protein 1		
IgC       35-40 kDa         Immunogen Catalog Number:       AC10958         Applications:       Positive Controls:         IF, W8EUSA       WB : mouse brain tissue, mouse hippocampal tiss         Cited Applications:       IF, W8         IF, W8       Species Specificity:         human, mouse, rat       Cited Species:         MOUSE, rat       SynDIG4 [also known as Prt1 [proline-rich transmembrane protein 1]] has recently been identified as a comport of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications:       VB         Xiaofei Wang       26428718       Zoolog Sci       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Storage:       Storage:       Storage       Storage Buffer:         PBS with 0.02% sodium azide and 50% glycerol pH 7.3.       PH 7.3.       Storeen 197.5			225aa,23 kDa; 306aa,31 kDa Observed MW:			
AG10958       Tested Applications:       Positive Controls:         IF, WB,EUSA       WB: mouse brain tissue, mouse hippocampal tiss         Cited Applications:       IF, WB         Species Specificity:       human, mouse, rat         Cited Species:       MOUSE, rat         Background Information       SynDIG4 [also known as Prt1 [proline-rich transmembrane protein 1]] has recently been identified as a compon of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author       Pubmed ID       Journal       Application         Kiaofei Wang       26428718       Zoolog Sci       WB         Kiaofei Wang       21216424       Mol Cell Neurosci         Storage       Storage Buffer:       Storage Buffer:         Pubmed ID       Storage Buffer:       Pubmed IC						
Apprications       IF, WB, ELISA       WB: mouse brain tissue, mouse hippocampal tiss         Cited Applications:       IF: WB       IF: transfected cells,         Species Specificity:       human, mouse, rat       Cited Species:         MOUSE, rat       SynDIG4[also known as Prrt1 (proline-rich transmembrane protein 1)] has recently been identified as a comport of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author       Pubmed ID       Journal       Application         George Chenaux       27800545       eNeuro       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Storage       Storage:       Storage 20°C: Stable for one year after shipment.       Storage Buffer         PBS with 0.02% sodium azide and 50% glycerol pH 7.3.       PMI 7.3.       Storage Publication Plana			atalog Number:			
IP, WB(ED3A       WB : mouse brain tissue, mouse hippocampal tiss         Cited Applications: IF, WB       IF : transfected cells,         Species Specificity: human, mouse, rat       IF : transfected cells,         Cited Species: MOUSE, rat       SynDIG4[also known as Prt1 (proline-rich transmembrane protein 1)] has recently been identified as a comport of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author       Pubmed ID       Journal       Application         George Chenaux       27800545       eNeuro       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Eva Troyano-Rodriguez       31216424       Mol Cell Neurosci       Storage         Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.       Storage Duffer       Pubmed 10 7.3.	Applications		Positive Controls:			
IF, WB       IF: transfected cells,         Species Specificity: human, mouse, rat       SynDIG4 [also known as Prrt1 (proline-rich transmembrane protein 1)] has recently been identified as a compor of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author       Pubmed ID       Journal       Application         George Chenaux       27800545       eNeuro       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Eva Troyano-Rodriguez       31216424       Mol Cell Neurosci         Storage       Storage Buffer. PBS with 0.02% sodium azide and 50% glycerol pH 7.3.       Provide PH 7.3.				WB: mouse br	ain tissue, mouse hippocampal tissu	
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Datkground       of AMPAR complexes. SynDIG4 is especially prominent in the hippocampus and particularly within CA1.The function of PRRT1 has not been widely studied, and is yet to be fully elucidated.         Notable Publications       Author       Pubmed ID       Journal       Application         George Chenaux       27800545       eNeuro       WB         Xiaofei Wang       26428718       Zoolog Sci       WB         Eva Troyano-Rodriguez       31216424       Mol Cell Neurosci         Storage       Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.						
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Eva Troyano-Rodriguez       31216424       Mol Cell Neurosci         Storage:       Storage:         Storage at -20°C. Stable for one year after shipment.         Storage Buffer:         PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		of AMPAR complexes. SynDIG4 is esp function of PRRT1 has not been widel	ecially prominent i y studied, and is ye	n the hippocampus t to be fully elucida	and particularly within CA1.The ted.	
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Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.	Background Information Notable Publications	of AMPAR complexes. SynDIG4 is esp function of PRRT1 has not been widel Author Put George Chenaux 278 Xiaofei Wang 264	pecially prominent i y studied, and is yet pomed ID Jo 300545 eN 428718 Zo	n the hippocampus t to be fully elucida nurnal Neuro polog Sci	and particularly within CA1.The ted. Application WB	
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*** 20ul sizes contain 0.1% BSA		of AMPAR complexes. SynDIG4 is esp function of PRRT1 has not been widel Author Put George Chenaux 276 Xiaofei Wang 264 Eva Troyano-Rodriguez 312 Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	ecially prominent i y studied, and is yet omed ID Jo 300545 eN 428718 Zc 216424 Me er shipment. % glycerol pH 7.3.	n the hippocampus t to be fully elucida nurnal Neuro polog Sci	and particularly within CA1.The ted. Application WB	

 For technical support and original validation data for this product please contact:

 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com

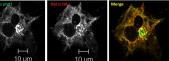
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## Selected Validation Data





COS cells transfected with recombinant HA-prrt1



CUS cells were transfected with recombinant HA-prrt1, permeabilized, and then immuno-stained with primary antibodies: Rabbit q prrt1 (ProteinTech), and Rat  $\alpha$  HA (Roche). Cells were then immuno-stained with fluorescent secondary subbodies: AlexaFloor488 Goat a Rabbit (Molecular Probes), and Cy3 Donkey a Rat (Jackson ImmunoResearch).

WB result of PRRT1 antibody (17261-1-AP) with mouse hippocampal tissue lysate. (Image courtesy of Dr. I. Kaur and Dr. E. Diaz, UC Davis).

mouse brain tissue were subjected to SDS PAGE followed by western blot with 17261-1-AP (PRRT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IF result of anti-PRRT1 (17261-1-AP) with COS cell transfected with recombinant HA-PRRT1.