

For Research Use Only

SynDIG4/PRRT1 Polyclonal antibody



Catalog Number: 17261-1-AP

4 Publications

Basic Information

Catalog Number: 17261-1-AP	GenBank Accession Number: BC013201	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80863	Recommended Dilutions: WB 1:500-1:1000 IF 1:20-1:200
Source: Rabbit	Full Name: proline-rich transmembrane protein 1	
Isotype: IgG	Calculated MW: 225aa,23 kDa; 306aa,31 kDa	
Immunogen Catalog Number: AG10958	Observed MW: 35-40 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse hippocampal tissue
Cited Applications: IF, WB	IF : transfected cells,
Species Specificity: human, mouse, rat	
Cited Species: MOUSE, rat	

Background Information

SynDIG4 [also known as Prrt1 (proline-rich transmembrane protein 1)] has recently been identified as a component 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 Chenuaux	27800545	eNeuro	WB
Xiaofei Wang	26428718	Zoolog Sci	WB
Eva Troyano-Rodriguez	31216424	Mol Cell Neurosci	

Storage

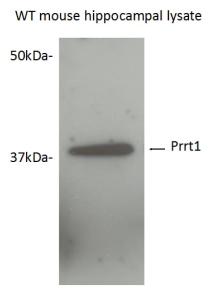
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

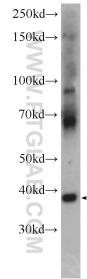
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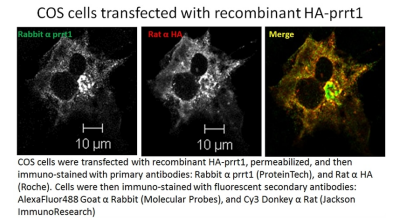
Selected Validation Data



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.