For Research Use Only

GAP43 Polyclonal antibody

Catalog Number:16971-1-AP

47 Publications



Basic Information	Catalog Number: 16971-1-AP	GenBank Accession Number BC007936	er: Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):	Recommended Dilutions:	
	150ul , Concentration: 800 $\mu g/ml$ by	2596	WB 1:2000-1:10000	
	Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	Full Name: growth associated protein	IP 0.5-4.0 ug for 1.0-3.0 mg of total 43 protein lysate	
	Source: Rabbit	Calculated MW:	IHC 1:50-1:500 IF 1:50-1:500	
		238 aa, 25 kDa		
	Isotype: IgG	Observed MW: 43 kDa		
	Immunogen Catalog Number: AG9294	45 100		
Applications	Tested Applications:	Positive Controls: WB : mouse brain tissue, rat lung tissue, rat brain tissu		
	IF, IHC, IP, WB, ELISA			
	Cited Applications: CoIP, IF, IHC, IP, WB	IP:	IP : mouse brain tissue,	
	Species Specificity:	IHC : mous		
	human, mouse, rat	IF :	mouse brain tissue, SH-SY5Y cells	
	Cited Species: human, rat, Gekko japonicus, mouse, zebrafish, hamster, canine			
	TE buffer pH 9.0; (*) Alternation retrieval may be performed w			
	buffer pH 6.0			
Background Informatior	The neuronal growth-associated prot of GAP43 in mice results in death ear kinase C in the brain. GAP43 is an int pathfinding and branching during der changes in the adult, leading to the n potentiation, spatial memory format lower than the apparent observed mo	ly in the postnatal period. G racellular growth-associate velopment and regeneration eurotransmitter release, en ion, and learning. The predi- olecular weight of 43 kDa or	neuromodulin, B-50, P-57, F1 and pp46. Deficience AP43 is one of the main substrates for protein d protein that appears to assist neuronal n, and may contribute to presynaptic membrane locytosis and synaptic vesicle recycling, long-terr cated molecular weight of about 25 kDa is much SDS-PAGE gels, and this occurs because the high mount of SDS per amino acid, and because the	
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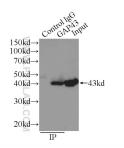
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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Selected Validation Data



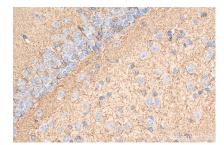
Various lysates were subjected to SDS PAGE followed by western blot with 16971-1-AP (GAP43 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



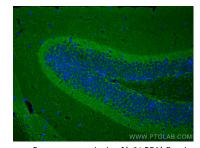
IP Result of anti-GAP43 (IP:16971-1-AP, 4ug; Detection:16971-1-AP 1:500) with mouse brain tissue lysate 6000ug.



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 16971-1-AP (GAP43 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 16971-1-AP (GAP43 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GAP43 antibody (16971-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).