For Research Use Only

## SYNGAP1 Polyclonal antibody Catalog Number: 19739-1-AP 6 Publications

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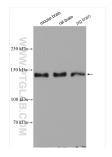
Basic Information	Catalog Number: 19739-1-AP	GenBank Accession Numb NM_006772	er: Purification Met Antigen affinity		
	Size: 150ul, Concentration: 550 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 8831 UNIPROT ID: Q96PV0 Full Name: synaptic Ras GTPase activ. protein 1 homolog (rat) Calculated MW: 1343 aa, 148 kDa Observed MW:	Recommended WB 1:1000-1:400 IP 0.5-4.0 ug for protein lysate IHC 1:50-1:500 IF/ICC 1:50-1:50	Dilutions: DO 1.0-3.0 mg of total	
		148 kDa			
Applications	Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:			
	Cited Applications: tissues WB IHC		sues	se brain tissue, rat brain tissues, pig brain	
	Species Specificity:		IP : mouse brain tissue, IHC : mouse brain tissue,		
	human, mouse, rat, pig     IF/ICC : U-251 cells,       Cited Species:     IF/ICC : U-251 cells,				
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0				
Background Information	SYNGAP1, also named as KIAA1938, i inhibitory regulator of the Ras-cAMP synapses, it may play a role in NMDA synaptic plasticity. SYNGAP1 regulat be involved in certain forms of brain are the cause of mental retardation a	pathway. SYNGAP1 is a mer R-dependent control of AMF es AMPAR-mediated miniat injury, leading to long-term	nber of the NMDAR signaling PAR potentiation, AMPAR me ure excitatory postsynaptic learning and memory defice	g complex in excitator mbrane trafficking ar currents. SYNGAP1 ma	
Notable Publications	Author Pub	med ID Journal		Application	
Notable Publications		med ID Journal 44636 Neuroscier	ice	Application WB	
Notable Publications	Shangru Lyu 362				
Notable Publications	Shangru Lyu362Sydney Aten331	44636 Neuroscier	sci	WB	
	Shangru Lyu362Sydney Aten331Cong-Cong Qi337Storage:Storage:Store at -20°C. Stable for one year aftStorage Buffer:PBS with 0.02% sodium azide and 50	44636 Neuroscier 74316 Eur J Neuro 32137 Front Aging er shipment. % glycerol pH 7.3.	sci	WB WB,IHC	
Notable Publications Storage	Shangru Lyu362Sydney Aten331Cong-Cong Qi337Storage:Storage:Store at -20°C. Stable for one year aftStorage Buffer:	44636 Neuroscier 74316 Eur J Neuro 32137 Front Aging er shipment. % glycerol pH 7.3.	sci	WB WB,IHC	

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E: proteintech@ptglab.com W: ptglab.com

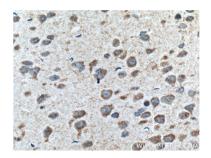
Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

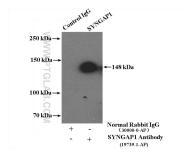


Various lysates were subjected to SDS PAGE followed by western blot with 19739-1-AP (SYNGAP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

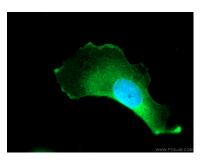
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 19739-1-AP (SYNGAP1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 19739-1-AP (SYNGAP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SYNGAP1 (IP:19739-1-AP, 4ug; Detection:19739-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using 19739-1-AP (SYNGAP1 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).