For Research Use Only

NMDAR2B/GRIN2B Polyclonal antibody

Catalog Number:21920-1-AP

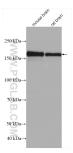
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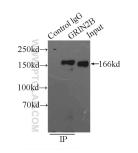
Basic Information	Catalog Number: 21920-1-AP	GenBank Ad BC113620	ccession Number:	Purification Method: Antigen affinity purification	
	Concentration: GenelD (NCBI):		BI).	Antigen aminity purification Recommended Dilutions: WB 1:500-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500	
	550 µg/ml				
	Source: UNIPROT ID: Rabbit Q13224		):		
	Isotype:	Full Name:		IF-P 1:50-1:500	
	lgG Immunogen Catalog Number: AG16318	-	glutamate receptor, ionotropic, N- methyl D-aspartate 2B Calculated MW: 1484 aa, 166 kDa		
		Observed M	Observed MW:		
		166 kDa			
Applications	Tested Applications:	: Positive Controls:			
			WB : mouse b	orain tissue, human brain tissue, rat bra	
	Cited Applications: tissue WB, IHC, IF, IP, CoIP		tissue		
	IP: mouse		IP : mouse br	ain tissue,	
	human, mouse, rat	Species Specificity: IHC : mousting the second		brain tissue, human brain tissue	
	Cited Species:	IE-D: mouse brain tissue			
	human, mouse, rat, zebra finch				
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
	retrieval may be performe	natively, antig			
Background Information	retrieval may be performe buffer pH 6.0 GRIN2B (also known as GluN2B o within the ionotropic glutamate system and play a major role in o large multi-subunit complexes a a repertoire of over 10 different s and B) (PMID: 21395862). Natural	natively, antig d with citrate or NMDAR2B) is a 1 receptor superfan excitatory synapt rranged into hete subunits: eight Gl Ily occurring muta	en member of the N-methyl nily. NMDA receptors are ic transmission and plas romeric assemblies com uN1 isoforms, four GluN2 ations within GRIN2B ger	ticity (PMID: 23223336). NMDA receptor posed of four homologous subunits wit subunits (A-D) and two GluN3 subunits	
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For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



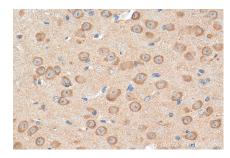
mouse brain tissue were subjected to SDS PAGE followed by western blot with 21920-1-AP (NMDAR2B/GRIN2B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



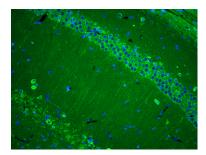
IP result of anti-NMDAR2B/GRIN2B (IP:21920-1-AP, 3ug; Detection:21920-1-AP 1:2000) with mouse brain tissue lysate 6000ug.



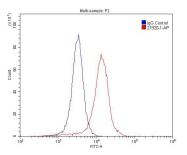
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21920-1-AP (NMDAR2B/GRIN2B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 21920-1-AP (NMDAR2B/GRIN2B 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 NMDAR2B/GRIN2B antibody (21920-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgC(H+1).



1X10^6 SH-SY5Y cells were stained with 0.2ug NMDAR2B/GRIN2B antibody (21920-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.