

421

SAP102 (A7R8L) Rabbit mAb



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Applications: W, W-S, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 102	Source/Isotype: Rabbit	UniProt ID: #Q92796	Entrez-Gene Id: 1741
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation			Dilution 1:1000 1:10 - 1:50 1:50	
Storage		. Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SAP102 (A7R8L) Rabbit mAb recognizes endogenous levels of total SAP102 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human SAP102 protein.				
Background		(MAGUK) protein famil SAP102 consists of thr domain (1). The SAP10 cells, indicating a role terminus of the adence associates with PSD95 (2,3). All three PDZ dor specifically with the cat SAP102-NR2B interact inhibiting the Erk/MAF axons, and synaptic ju and immobilization an NMDA receptor functionsyndromic form of SAP102 gene. The SAP	ly and is a homologee PDZ domains, a 12 protein is more in the negative regimatous polyposis in the presence of mains of SAP102 parboxy-terminal doion may facilitate APK pathway (1,4). Nonctions, At excitate id links NMDA recept to gether to mee facilitate and the same in the same	DLG3) belongs to the mag of the <i>Drosophila</i> disc lands of cell growth. So coli (APC) tumor suppressoration while the SH3 distriction in binding to the main of the N-methyl-D-MPA receptor withdraws euronal SAP102 is concestry synapses, SAP102 is inptors to the submembradiate plasticity, behavior, etardation is caused by less involved in autism sincipm susceptibility gene,	arge (dlg) tumor submain, and a guany proliferating cells the AP102 interacts with its or protein. Further omain of SAP102 be NMDA receptor, aspartate receptor all from the postsynntrated at dendrition to NMDA receptor in the Samuelle Samuelle in the NMGUK proteins of MAGUK proteins	ppressor protein. Valate kinase (GK) an in proliferating the the carboxy rmore, SAP102 inds calmodulin interacting 2B (NR2B). This aptic membrane by the shafts and spines, eceptor clustering 4). SAP102 and the ction (1). A ations to the
Background References		1. Cuthbert, P.C. et al. (2007) <i>J Neurosci</i> 27, 2673-82. 2. Makino, K. et al. (1997) <i>Oncogene</i> 14, 2425-33. 3. Masuko, N. et al. (1999) <i>J Biol Chem</i> 274, 5782-90. 4. Lau, L.F. et al. (1996) <i>J Biol Chem</i> 271, 21622-8. 5. Yan, J. et al. (2005) <i>Mol Psychiatry</i> 10, 329-32.				
Species Reactiv	rity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				

Applications Key

W: Western Blotting **W-S:** Simple Western[™] **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse R: Rat

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