at	(A7R8L) Ra	abbit mAb			cн N о L о g Y®	
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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:

Applications: WB, 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	We Sin	plication estern Blotting nple Western™ nunoprecipitation			Dilution 1:1000 1:10 - 1:50 1:50				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less th 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.							
Specificity / Sensit	ivity SAF	SAP102 (A7R8L) Rabbit mAb recognizes endogenous levels of total SAP102 protein.							
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human SAP102 protein.							
Background	(MA SAF dom cells of th PSE dom term facil (1,4 exci rece mec reta invo	GUK) protein family a P102 consists of three nain (1). The SAP102 s, indicating a role in the adenomatous poly 095 in the presence of the adenomation poly 095 in the presence of the adenomation of the N itate AMPA receptor 1). Neuronal SAP102 tatory synapses, SAF eptors to the submem liate plasticity, behavior rdation is caused by	and is a homolo PDZ domains, protein is more the negative reg posis coli (APC) of calcium while cipate in binding- methyl-D-aspan withdrawal from is concentrated P102 is involved braneous cytom ior, and signal tr loss-of-function MAGUK protein	2, DLG3) belongs to th g of the <i>Drosophila</i> disc a Src homology 3 (SH3 highly expressed in no julation of cell growth. So tumor suppressor prot the SH3 domain of SAF g to the NMDA receptor tate receptor 2B (NR2E the postsynaptic membra at dendritic shafts and in NMDA receptor clus hatrix (4). SAP102 and the ansduction (1). A nonsy mutations to the SAP10 s in the NMDA receptor	c large (dlg) tumor supp 3) domain, and a guany nproliferating cells thar 6AP102 interacts with t ein. Furthermore, SAP 2102 binds calmodulin , interacting specifically 3). This SAP102-NR2B brane by inhibiting the f spines, axons, and syn tering and immobilizati the NMDA receptor fun yndromic form of X-link 02 gene. The SAP102	pressor protein. vlate kinase (GK) in in proliferating the carboxy terminus 102 associates with (2,3). All three PDZ v with the carboxy- interaction may Erk/MAPK pathway aptic junctions. At on and links NMDA ction together to ed mental protein may be			
Background Refere	2. M 3. M 4. La	uthbert, P.C. et al. (24 lakino, K. et al. (1997 lasuko, N. et al. (1999 au, L.F. et al. (1996) an, J. et al. (2005) <i>M</i> a) Oncogene 14, 9) J Biol Chem 2 J Biol Chem 271	2425-33. 274, 5782-90. ., 21622-8.					
Species Reactivity	Spec	ies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).			
Western Blot BufferIMPORTANT: For western blots, incubate membrane with diluted primary antibody milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						% w∕v nonfat dry			
Applications Key	WB	WB: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation							
Cross-Reactivity K	X : Xe	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected							

Trademarks and Patents SAP102 (A7R8L) Rabbit mAb (#47421) Datasheet Without Images Cell Signaling Technology

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