e at -20C	NIPSNAP1 (D1Y6S) Rabbit mAb		Cell Signaling	
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Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 29	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BPW8	Entrez-Gene Id: 8508		
Product Usage Information		Application Western Blotting Immunoprecipitation		Dilution 1:1000 1:50				
Storage	Suj	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 aliguot the antibody.						
Specificity / Sensitivity		NIPSNAP1 (D1Y6S) Rabbit mAb recognizes endogenous levels of total NIPSNAP1 protein. This antibody does not cross-react with NIPSNAP2 (GBAS) protein. This antibody recognizes the mature 29 kDa form of NIPSNAP1 as described in Okuda-Ashitaka, E. et al. (2012).						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg211 of human NIPSNAP1 protein.						
Background		4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (NIPSNAP1) is a member of a highly conserved family of proteins whose functions include the regulation of channel activity, mitochondrial function and cognitive function.						
	cha alte	Interaction of NIPSNAP1 with the putative oncogene Ca2+-selective transient receptor potential vanilloid channel 6 (TRPV6) inhibits channel function at the cell membrane (1,2). In prostate cancer cells, alterations in chromatin structure that result in corresponding NIPSNAP1 gene inactivation have been implicated in the malignant phenotype (3).						
	whi in t imp	ich may facilitate the he brains of phenylk	effect of APP on etonuria (PKU) m AP1 has also bee	wn to interact with mitoc mitochondrial function. ice, implying a role for N n implicated in pain tran spinal cord (6).	(4). NIPSNAP1 expres	ssion is also altered ated cognitive		
Background Refere	2. L 3. N 4. 1 5. S	Schoeber, J.P. et al. (.ehen'kyi, V. et al. (2 Malhotra, A. et al. (20 Tummala, H. et al. (2 Surendran, S. et al. (Dkuda-Ashitaka, E. e	012) <i>J Physiol</i> 59 013) Cancer Biol 010) Eur J Neurc 2005) Neurocher	0, 1369-76. Ther 14, 840-52. sci 31, 1926-34.				
Species Reactivity	Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WB	: Western Blotting I	P: Immunoprecipi	tation				
Cross-Reactivity Key		 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		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc.						

NIPSNAP1 (D1Y6S) Rabbit mAb (#13226) Datasheet Without Images Cell Signaling Technology

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