e at -20C	Caspr2 (D6S1O) Rabbit mAb		Cell Signaling	
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Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 150	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UHC6	Entrez-Gene Id: 26047		
Product Usage		Application			Dilution			
Information		Western Blotting			1:1000			
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		Caspr2 (D6S1O) Rabbit mAb recognizes endogenous levels of total Caspr2 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln1040 of human Caspr2 protein.						
Background Background Refere	s (( 4 T C C tt k c c I i	Contactin- <b>as</b> sociated <b>pr</b> superfamily that mediates NCP) complex (1). A mu I.1B mediates the molec FAG-1 interactions media Caspr2 protein localizes he immunoglobulin-like of $kv1.2$ , and their Kv $\beta$ 2 su channel association. Cas edistribution of channels connects the protein com inked to focal epilepsy, c Poliak, S. et al. (1999)	s nervous syste altiprotein compl- ular interactions ating the binding to juxtaparanod cell adhesion me bunit. A PDZ do spr2 is required a along the inter- plex to the axor- portical dysplasia	m cell-cell interactions t ex consisting of TAG-1, s at the juxtaparanodal r g of this complex to glia al regions of myelinated olecule TAG-1. Caspr2 a main at the Caspr2 carb for proper K+ channel lo nodes (1-3). Furthermor nal cytoskeleton (4). Mu a and Gilles de la Touret	hrough the Neurexin IN Caspr2, K+ channel, F egion of myelinated av (2,3). axons where it forms also binds to Shaker K boxy terminus mediate ocalization, as Caspr2 e, Caspr2 binds to pro- tations in the Caspr2 g	V-Caspr-Paranodin PSD95 and protein kons, with homophilic a <i>cis</i> -complex with + channels Kv1.1, s the Caspr2-K+ deletion causes the tein 4.1B and		
	2 3 4 5	<ol> <li>Poliak, S. et al. (1999) <i>J Cell Biol</i> 162, 1107-47.</li> <li>Poliak, S. et al. (2003) <i>J Cell Biol</i> 162, 1169-60.</li> <li>Traka, M. et al. (2003) <i>J Cell Biol</i> 162, 1161-72.</li> <li>Denisenko-Nehrbass, N. et al. (2003) <i>Eur J Neurosci</i> 17, 411-6.</li> <li>Verkerk, A.J. et al. (2003) Genomics 82, 1-9.</li> <li>Strauss, K.A. et al. (2006) <i>N Engl J Med</i> 354, 1370-7.</li> </ol>						
Species Reactivity		pecies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buffer			,	ncubate membrane with diluted primary antibody in 5% w/v nonfat dry 4°C with gentle shaking, overnight.				
Applications Key	v	VB: Western Blotting						
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						
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Caspr2 (D6S10) Rabbit mAb (#61962) Datasheet Without Images Cell Signaling Technology

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