Store at -20C	Caspr2 Antibody		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
31		Support:	877-678-TECH (8324)	
#3731		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers M	assachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 150	Source: Rabbit	UniProt ID: #Q9UHC6	Entrez-Gene Id: 26047		
Product Usage Information	-	oplication estern Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		Caspr2 Antibody detects endogenous levels of total Caspr2 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide sourrounding Glu1320 of human Caspr2. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	sup (NC 4.1 TA Ca the Kv cha red cor	perfamily that mediate CP) complex (1). A mediates B mediates the mole G-1 interactions medi spr2 protein localizes immunoglobulin-like L.2, and their Kvβ2 su unnel association. Ca istribution of channel	es nervous system ultiprotein complex cular interactions a ating the binding o to juxtaparanodal cell adhesion mole ubunit. A PDZ doma spr2 is required for s along the interno nplex to the axona	cell-cell interactions consisting of TAG-1 t the juxtaparanodal f this complex to glia regions of myelinate cule TAG-1. Caspr2 ain at the Caspr2 ca proper K+ channel des (1-3). Furtherma I cytoskeleton (4). M	ed axons where it forms 2 also binds to Shaker K- rboxy terminus mediates localization, as Caspr2 o ore, Caspr2 binds to pro lutations in the Caspr2 g	A-Caspr-Paranodin SD95 and protein ons, with homophilic a <i>cis</i> -complex with + channels Kv1.1, s the Caspr2-K+ deletion causes the tein 4.1B and		
Background Refer	2. F 3. 1 4. [5. \	Poliak, S. et al. (1999 Poliak, S. et al. (2003 Taka, M. et al. (2003) Denisenko-Nehrbass, /erkerk, A.J. et al. (20 Strauss, K.A. et al. (20) <i>J Cell Biol</i> 162, 1 <i>J Cell Biol</i> 162, 1 N. et al. (2003) <i>Eu</i> 03) Genomics 82,	149-60. 161-72. <i>Ir J Neurosci</i> 17, 41. 1-9.	1-6.			
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western 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						
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 Antibody (#3731) Datasheet Without Images Cell Signaling Technology

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