

bs-11981R**[Primary Antibody]****CACNA2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog, Horse)
GeneID: 781	SWISS: P54289	
Target: CACNA2		Predicted MW.: 16/106/122 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CACNA2/CACNA2D1: 571-610/1103. < Extracellular >		Subcellular Location: Cell membrane
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: bs-11981P is one synthetic peptide derived from human CACNA2/CACNA2D1. This gene encodes a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]		

— SELECTED CITATIONS —

- **[IF=12.12]** Chintalapudi et al. Systems genetics identifies a role for Cacna2d1 regulation in elevated intraocular pressure and glaucoma susceptibility. (2017) Nat.Commun. 8:1755 IF ;Human, Mouse. 29176626