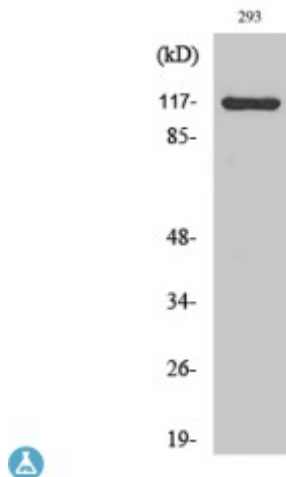


Anti-Cacna2d4 antibody



Description	Rabbit polyclonal to Cacna2d4.
Model	STJ91957
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Cacna2d4
Immunogen Region	520-600 aa, Internal
Gene ID	93589
Gene Symbol	CACNA2D4
Dilution range	WB 1:500-1:2000ELISA 1:20000
Specificity	Cacna2d4 Polyclonal Antibody detects endogenous levels of Cacna2d4 protein.
Tissue Specificity	Predominantly expressed in certain types of endocrine cells. Present in the Paneth cells of the small intestine. Also present in the erythroblasts in the fetal liver, in the cells of the zona reticularis of the adrenal gland and in the basophils of the pituitary. Present at low level in some brain regions such as the cerebellum (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-4 Voltage-gated

	calcium channel subunit alpha-2/delta-4 Voltage-dependent calcium channel subunit alpha-2-4 Voltage-dependent calcium channel subunit delta-4
Molecular Weight	130 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20202OMIM:608171
Alternative Names	Voltage-dependent calcium channel subunit alpha-2/delta-4 Voltage-gated calcium channel subunit alpha-2/delta-4 Voltage-dependent calcium channel subunit alpha-2-4 Voltage-dependent calcium channel subunit delta-4
Function	The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel.
Sequence and Domain Family	The MIDAS-like motif in the VWFA domain binds divalent metal cations and is required to promote trafficking of the alpha-1 (CACNA1) subunit to the plasma membrane by an integrin-like switch.
Cellular Localization	Membrane
Post-translational Modifications	May be proteolytically processed into subunits alpha-2-4 and delta-4 that are disulfide-linked. It is however unclear whether such cleavage really takes place in vivo and has a functional role .