

Product datasheet for **TA338138**

CACNA2D2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CACNA2D2 antibody is: synthetic peptide directed towards the C-terminal region of Human CACNA2D2. Synthetic peptide located within the following region: NCSRLFHAQRLTNTNLLFVVAEKPLCSQCEAGRLLQKETHSDGPEQCELV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	129 kDa
Gene Name:	calcium voltage-gated channel auxiliary subunit alpha2delta 2
Database Link:	NP_006021 Entrez Gene 9254 Human Q9NY47



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Background:

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. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. 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, encoding different isoforms, have been characterized.

Synonyms:

CACNA2D

Note:

Immunogen Sequence Homology: Pig: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Rat: 81%; Rabbit: 81%; Bovine: 76%

Protein Families:

Druggable Genome, Ion Channels: Other

Protein Pathways:

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

Product images: