

Product datasheet for **AP55387SU-N**

CACNA1C pSer1928 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	ELISA. Western Blot. Immunoprecipitation.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-terminal part of the Human protein containing Phosphoserine 1928
Specificity:	Reacts with Human ~250 kDa CACNA1C proteins with a phospho Serine 1928.
Formulation:	State: Serum State: Lyophilized antiserum Preservative: None
Reconstitution Method:	Restore in 0.2 ml distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	calcium voltage-gated channel subunit alpha1 C
Database Link:	Entrez Gene 775 Human Q13936



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Background:

CACNA1C encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins, either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by CACNA1C binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins.

Synonyms:

CACH2, CACN2, CACNL1A1, CCHL1A1, Cav1.2