

Product datasheet for **AP55385PU-N**

CACNB3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/500-1/5000. Immunohistochemistry: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from CAB3 protein
Specificity:	Reacts with Human 54 kDa protein.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	calcium voltage-gated channel auxiliary subunit beta 3
Database Link:	Entrez Gene 784 Human P54284



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Background:

Voltage-sensitive calcium channels (VSCCs) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. They are blocked by dihydropyridines (DHP), phenylalkylamines, benzothiazepines, and by omega-agatoxin-III A (omega-aga-III A). They are however insensitive to omega-conotoxin-GVIA (omega-ctx-GVIA) and omega-agatoxin-IV A (omega-aga-IV A). The overall conclusion is that deletion of the beta 3 subunit affects at least three distinct types of High voltage activated Ca²⁺ channel (L,N and P/Q types), but no single type of channel is solely dependent on beta 3.

Synonyms:

CAB3, CACNLB3