

Product datasheet for **AP31991PU-N**

CSEN (KCNIP3) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/8000 (Detection limit). Western blot: 1-3 µg/ml. In transfected HEK293 transiently expressing Human KCNIP3 a band of approx. 30kDa was observed. No bands are observed in the non-transfected HEK293.
Reactivity:	Bovine, Canine, Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide with sequence from the the internal region of Human KCNIP3 (NP_038462.1).
Specificity:	This antibody is expected to recognize Isoform 1 of KCNIP3 (NP_038462.1) only.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted 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.
Predicted Protein Size:	29.2 kDa according to NP_038462.1.
Gene Name:	potassium voltage-gated channel interacting protein 3
Database Link:	Entrez Gene 30818 Human Q9Y2W7



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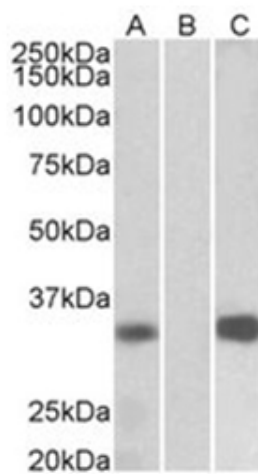
Background:

KCHIP3 is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily.

Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein is also shown to function as a calcium-regulated transcriptional repressor, and to interact with presenilins. Mutations in the presenilin genes have been implicated in Alzheimer's disease. Due to utilization of an alternate in-frame translation start codon, the gene for this protein encodes two isoforms with different sizes.

Synonyms:

KCNIP3, CSEN, DREAM, KCHIP3, DRE-antagonist modulator

Product images:

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing Human KCNIP3 with C-terminal MYC tag probed with KCNIP3 antibody at 1 ug/ml in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with (1 mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.