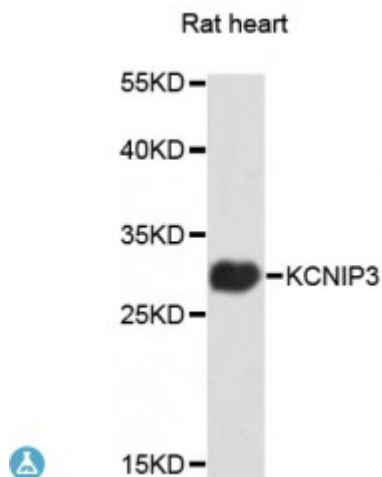


Anti-KCNIP3 Antibody



Description

This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described.

Model	STJ115665
Host	Rabbit
Reactivity	Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human KCNIP3 (NP_038462.1).
Gene ID	30818
Gene Symbol	KCNIP3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in brain, Widely expressed at lower levels, Expression levels are elevated in brain cortex regions affected by Alzheimer disease
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Calsenilin A-type potassium channel modulatory protein 3 DRE-antagonist modulator DREAM Kv channel-interacting protein 3 KChIP3
Molecular Weight	29.231 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15523 OMIM:604662 Reactome:R-HSA-5576894
Alternative Names	Calsenilin A-type potassium channel modulatory protein 3 DRE-antagonist modulator DREAM Kv channel-interacting protein 3 KChIP3
Function	Calcium-dependent transcriptional repressor that binds to the DRE element of genes including PDYN and FOS, Affinity for DNA is reduced upon binding to calcium and enhanced by binding to magnesium, Seems to be involved in nociception ,
Cellular Localization	Cytoplasm,
Post-translational Modifications	Palmitoylated, Palmitoylation enhances association with the plasma membrane ,

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