

## Product datasheet for **TA337255**

### KCNIP4 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-KCNIP4 antibody: synthetic peptide directed towards the N terminal of human KCNIP4. Synthetic peptide located within the following region: NVRRVESISAQLEEASSTGGFLYAQNSTKRSIKERLMKLLPCSAAKTSSP
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:	29 kDa
Gene Name:	potassium voltage-gated channel interacting protein 4
Database Link:	<a href="#">NP_079497</a> <a href="#">Entrez Gene 80333 Human</a> <a href="#">Q6PIL6</a>



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**Background:**

KCNIP4 encodes 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 member also interacts with presenilin. This gene encodes 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 member also interacts with presenilin. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

**Synonyms:**

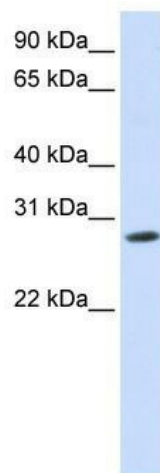
CALP; KCHIP4

**Note:**

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

**Protein Families:**

Druggable Genome, Ion Channels: Other

**Product images:**

WB Suggested Anti-KCNIP4 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control:  
Human Muscle