

## Product datasheet for **AP52308PU-N**

### KCNIP4 (N-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | WB   |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western Blot:</b> 1/100-1/500.   |
| Reactivity:           | Human, Mouse   |
| Host:                 | Rabbit   |
| Isotype:              | Ig   |
| Clonality:            | Polyclonal   |
| Immunogen:            | KLH conjugated synthetic peptide between 9-39 amino acids from the N-terminal region of human KCNIP4.                  |
| Specificity:          | This antibody recognizes Human and Mouse KCNIP4 (N-term).  |
| Formulation:          | PBS containing 0.09% (W/V) Sodium Azide as preservative<br>State: Aff - Purified<br>State: Liquid purified Ig fraction |
| Concentration:        | lot specific   |
| Purification:         | Protein A column, followed by peptide affinity purification  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | potassium voltage-gated channel interacting protein 4  |
| Database Link:        | <a href="#">Entrez Gene 80334 Mouse</a> <a href="#">Entrez Gene 80333 Human</a><br><a href="#">Q6PIL6</a>              |



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**Background:**

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:**

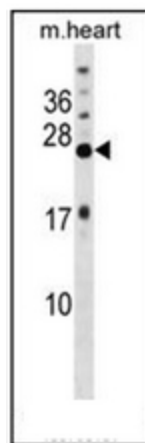
KCNIP4, CALP, KCHIP4, Calsenilin-like protein, Kv channel-interacting protein 4

**Note:**

**Molecular Weight:** 28729 Da

**Protein Families:**

Druggable Genome, Ion Channels: Other

**Product images:**

Western blot analysis of KCNIP4 Antibody (N-term) in mouse heart tissue lysates (35ug/lane). This demonstrates the KCNIP4 antibody detected the KCNIP4 protein (arrow).