

# KCNIP4 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10698

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q6PIL6</a>
<b>Other Accession</b>	<a href="#">NM_025221</a> , <a href="#">NP_079497</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Dog, Bovine
<b>Predicted</b>	Human, Mouse, Rabbit, Dog
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	28729

## Additional Information

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<b>Gene ID</b>	80333
<b>Alias Symbol</b>	CALP, KCHIP4
<b>Other Names</b>	Kv channel-interacting protein 4, KChIP4, A-type potassium channel modulatory protein 4, Calsenilin-like protein, Potassium channel-interacting protein 4, KCNIP4, CALP, KCHIP4
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 100 ul of distilled water. Final anti-KCNIP4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	KCNIP4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KCNIP4
<b>Synonyms</b>	CALP, KCHIP4
<b>Function</b>	Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Modulates KCND2 channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner (PubMed: <a href="#">11847232</a> , PubMed: <a href="#">18957440</a> , PubMed: <a href="#">23576435</a> ). Modulates KCND3/Kv4.3 currents (PubMed: <a href="#">23576435</a> ). Isoform 4 does not increase KCND2 expression at the cell membrane (PubMed: <a href="#">18957440</a> ). Isoform 4 retains KCND3 in the endoplasmic reticulum

and negatively regulates its expression at the cell membrane.

**Cellular Location**

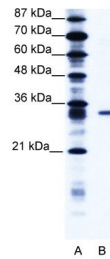
Cell membrane; Peripheral membrane protein. Cytoplasm. Peroxisome

**Tissue Location**

Predominantly expressed in brain.

## Images

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WB Suggested Anti-KCNIP4 Antibody Titration: 1.25 µg/ml  
Positive Control: Jurkat Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.