

# KCNIP4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55654

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q6PIL6</a>
<b>Reactivity</b>	Rat, Dog, Bovine
<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>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>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## 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.
<b>Cellular Location</b>	Cell membrane; Peripheral membrane protein. Cytoplasm. Peroxisome
<b>Tissue Location</b>	Predominantly expressed in brain.

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