

# Anti-KCNIP2 / KCHIP2 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18472

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q9NS61</a>
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	30907
<b>Concentration (mg/ml)</b>	0.5 mg/ml

## Additional Information

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<b>Gene ID</b>	30819
<b>Alias Symbol</b>	KCNIP2
<b>Other Names</b>	KCNIP2, KCHIP2
<b>Target/Specificity</b>	Human KChIP2 protein. Predicted to react with mouse KChIP2 protein according to sequence homology.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-KCNIP2 / KCHIP2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KCNIP2 ( <a href="#">HGNC:15522</a> )
<b>Function</b>	Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels (PubMed: <a href="#">10676964</a> , PubMed: <a href="#">11287421</a> , PubMed: <a href="#">11684073</a> , PubMed: <a href="#">12297301</a> , PubMed: <a href="#">14623880</a> , PubMed: <a href="#">34997220</a> ). Modulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform- specific manner (PubMed: <a href="#">10676964</a> , PubMed: <a href="#">11287421</a> , PubMed: <a href="#">11684073</a> , PubMed: <a href="#">12297301</a> , PubMed: <a href="#">14623880</a> , PubMed: <a href="#">34997220</a> ). Involved in KCND2 and KCND3 trafficking to the cell surface (PubMed: <a href="#">12829703</a> ). May be required for the expression of I(To) currents in the heart (By similarity).
<b>Cellular Location</b>	[Isoform 1]: Cell membrane {ECO:0000250 UniProtKB:Q9JM59}; Lipid-anchor {ECO:0000250 UniProtKB:Q9JM59}. Note=Detected on lipid rafts (By similarity). {ECO:0000250 UniProtKB:Q9JM59} [Isoform 6]: Cell membrane

{ECO:0000250|UniProtKB:Q9JM59}; Lipid-anchor  
{ECO:0000250|UniProtKB:Q9JM59}

**Tissue Location**

Expressed in brain. Colocalizes with KCND2 in excitatory neurons including cortical and hippocampal CA1 pyramidal cells. Isoform 3 is expressed in heart and in umbilical vein endothelial cells. Not expressed in fetal heart

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