

Datasheet for ABIN2776323  
**anti-KCNIP2 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	KCNIP2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNIP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNIP2
Sequence:	QLTDSVDDEF ELSTVCHRPE GLEQLQEQT FTRKELQVLY RGFKNPGALS
Predicted Reactivity:	Cow: 100%, Dog: 86%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNIP2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

## Target Details

Target:	KCNIP2
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## Target Details

Alternative Name: KCNIP2 ([KCNIP2 Products](#))

Background: KCNIP2 encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs 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 gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified from this gene.

Alias Symbols: DKFZp566L1246, KCHIP2, MGC17241

Protein Interaction Partner: KCND2, KCNIP1, KCNIP2, KCNE4, KCND3, KCNIP4,

Protein Size: 227

Molecular Weight: 21 kDa

Gene ID: 30819

NCBI Accession: [NM\\_173193](#), [NP\\_775285](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 227 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

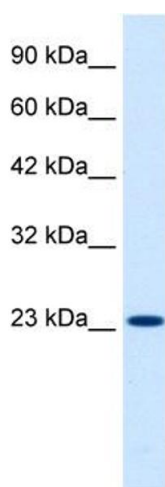
Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

## Handling

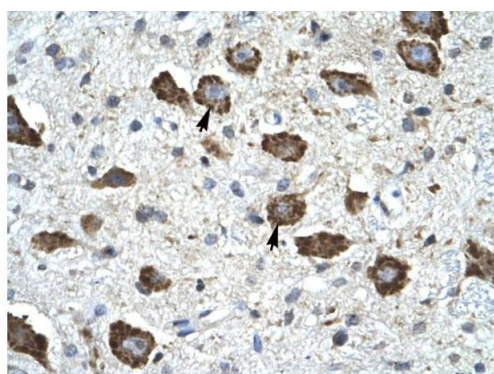
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

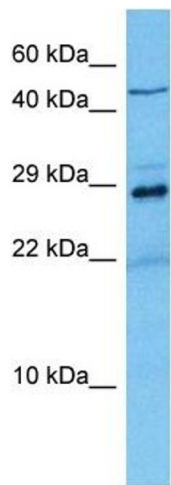
**Image 1.** WB Suggested Anti-KCNIP2 Antibody Titration: 0.06ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate KCNIP2 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-KCNIP2 Antibody  
Catalog Number: ARP35497  
Lot Number: QC4783  
Paraffin Embedded Tissue: Human Brain  
Cells with Positive label: Neural cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Human Brain



Western Blotting

**Image 3.** Host: Mouse Target Name: KCNIP2 Sample  
Tissue: Mouse Liver Antibody Dilution: 1ug/ml