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# Datasheet for ABIN2775915 anti-KCNIP4 antibody (N-Term)

3 Images



#### Overview

Quantity:	100 µL
Target:	KCNIP4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNIP4 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 KCNIP4
Sequence:	NSTKRSIKER LMKLLPCSAA KTSSPAIQNS VEDELEMATV RHRPEALELL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNIP4. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified
Target Details	
Target:	KCNIP4

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Target Details		
Alternative Name:	KCNIP4 (KCNIP4 Products)	
Background:	<ul> <li>KCNIP4 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.</li> <li>Alias Symbols: CALP, KCHIP4</li> <li>Protein Interaction Partner: APP, KCND2, PSEN2, PSEN1, KCNIP2,</li> <li>Protein Size: 250</li> </ul>	
Molecular Weight:	29 kDa	
Gene ID:	80333	
NCBI Accession:	NM_025221, NP_079497	
UniProt:	Q6PIL6	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 250 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	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

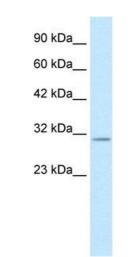
Handling Advice: Avoid repeated freeze-thaw cycles.

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#### Handling

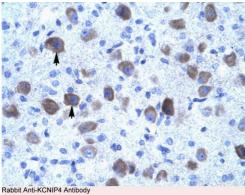
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

## Validation report #104256 for Western Blotting (WB)



#### Western Blotting

**Image 1.** WB Suggested Anti-KCNIP4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate



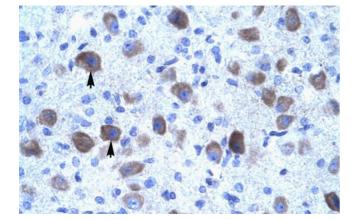
Rabbit Anti-KCNIP4 Antibody Catalog Number: ARP34622 Lot Number: QC4011 Paraffin Embeded Tissue: Human Brain Cells with Positive label: Neural cells (Indicated with Arrows) Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X



Image 2. Human Brain

#### Immunohistochemistry

Image 3. Human Brain



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