

Datasheet for ABIN2780205
anti-KCNAB2 antibody (Middle Region)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µL
Target:	KCNAB2
Binding Specificity:	Middle Region
Reactivity:	Rat, Human, Mouse, Dog, Zebrafish (Danio rerio), Cow, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KCNAB2
Sequence:	WGGKAETERG LSRKHIIIEGL KASLERLQLE YVDVVFANRP DPNTPMEEETV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 83%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNAB2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNAB2
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Target Details

Alternative Name:	KCNAB2 (KCNAB2 Products)
Background:	<p>The functions of Voltage-gated potassium (Kv) channels include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. KCNAB2 is a member of the potassium channel, voltage-gated, shaker-related subfamily. This member is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits.</p> <p>Alias Symbols: AKR6A5, KCNA2B, HKvbeta2, KV-BETA-2, HKvbeta2.1, HKvbeta2.2</p> <p>Protein Interaction Partner: KCNAB2, SIRT1, KCNA5, KCNA4, UBC, RPA3, RPA2, RPA1, ATXN1, Nedd4, NEDD4L, SLC39A2, SLC39A1, SQSTM1, CD4, KCNA2,</p> <p>Protein Size: 367</p>
Molecular Weight:	40 kDa
Gene ID:	8514
NCBI Accession:	NM_003636 , NP_003627
UniProt:	Q13303

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 367 AA
Restrictions:	For Research Use only

Handling

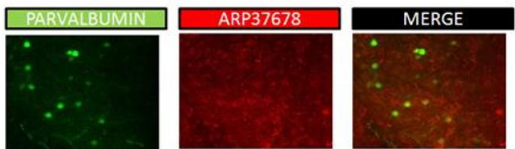
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

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

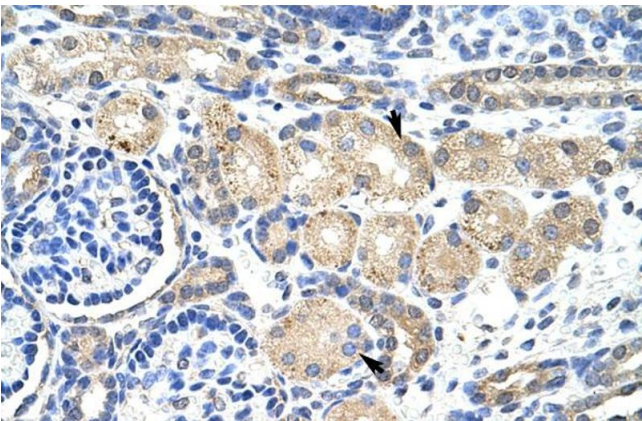
Aviva α -KCNAB2(ARP37678) stains mPFC in P48 mouse



Dilution: 1:2000
Submitted by:
Kevin S Jones
Children's Research Institute

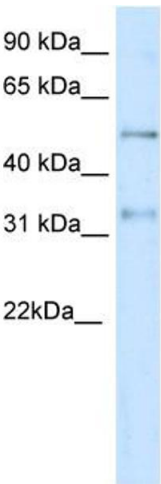
Immunohistochemistry

Image 1. Sample Type: P48 MouseDilution: 1:2000



Immunohistochemistry

Image 2.



Western Blotting

Image 3. WB Suggested Anti-KCNAB2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate KCNAB2 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2780205.