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anti-KCNAB1 antibody (C-Term)

Images



Publication



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Quantity:	100 μL
Quantity.	100 με
Target:	KCNAB1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human
	KCNAB1
Sequence:	VPESSRASLK CYQWLKERIV SEEGRKQQNK LKDLSPIAER LGCTLPQLAV
Sequence: Predicted Reactivity:	
	VPESSRASLK CYQWLKERIV SEEGRKQQNK LKDLSPIAER LGCTLPQLAV Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit:
Predicted Reactivity:	VPESSRASLK CYQWLKERIV SEEGRKQQNK LKDLSPIAER LGCTLPQLAV Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77% This is a rabbit polyclonal antibody against KCNAB1. It was validated on Western Blot using a
Predicted Reactivity: Characteristics:	VPESSRASLK CYQWLKERIV SEEGRKQQNK LKDLSPIAER LGCTLPQLAV Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77% This is a rabbit polyclonal antibody against KCNAB1. It was validated on Western Blot using a cell lysate as a positive control.

Target Details

Alternative Name:	KCNAB1 (KCNAB1 Products)		
Background:	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. The KCNAB1 gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. Alias Symbols: hKvb3, AKR6A3, KCNA1B, Kvb1.3, hKvBeta3, KV-BETA-1 Protein Interaction Partner: SRPK1, APP, GNB2L1, KCNA5, ARRB2, ELAVL1, Nedd4, NEDD4L, SLC39A2, SLC39A1, DLG1, KCNA2, Protein Size: 419		
Molecular Weight:	46 kDa		
Gene ID:	7881		
NCBI Accession:	NM_172160, NP_751892		
UniProt:	Q14722		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 419 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.

Publications

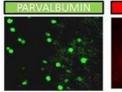
Product cited in:

Mullins, Crawford, Khuder, Hernandez, Yoon, Willey: "CEBPG transcription factor correlates with antioxidant and DNA repair genes in normal bronchial epithelial cells but not in individuals with bronchogenic carcinoma." in: **BMC cancer**, Vol. 5, pp. 141, (2005) (PubMed).

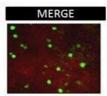
Images

Immunohistochemistry

Image 1. mouse PFC







90 kDa__ 59 kDa__ 38 kDa__

Western Blotting

Image 2. WB Suggested Anti-KCNAB1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human kidney