

KCNAB2 Polyclonal Antibody

Catalog No: #29783



Package Size: #29783-1 50ul #29783-2 100ul

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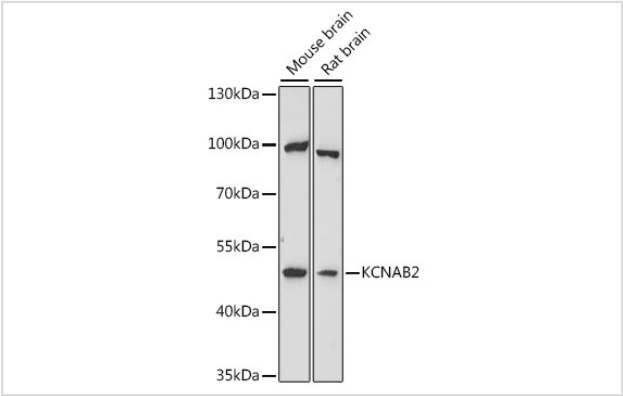
Description

Product Name	KCNAB2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant fusion protein of human KCNAB2 (NP_003627.1).
Other Names	KCNAB2; AKR6A5; HKvbeta2; HKvbeta2.1; HKvbeta2.2; KCNA2B; KV-BETA-2; voltage-gated potassium channel subunit beta-2
Accession No.	Swiss-Prot#:Q13303NCBI Gene ID:8514
Uniprot	Q13303
GeneID	8514;
Calculated MW	46kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

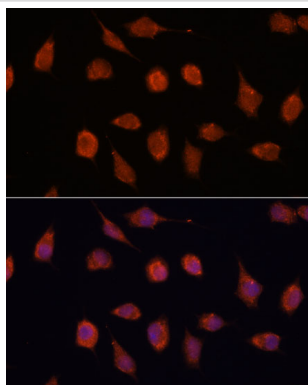
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using KCNAB2 at 1:1000 dilution.



Immunofluorescence analysis of L929 cells using KCNAB2 at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

Voltage-gated potassium (Kv) 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. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes 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. This member alters functional properties of the KCNA4 gene product. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

Note: This product is for in vitro research use only