

Datasheet for ABIN6142701
anti-KCND3 antibody (AA 502-636)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	KCND3
Binding Specificity:	AA 502-636
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 502-636 of human KCND3 (NP_751948.1).
Sequence:	MESSMQNYPS TRSPSLSSHP GLTTTCCSRR SKKTTHLPNS NLPATRLRSM QELSTIHIQG SEQPSLTTSR SSLNLKADDG LRPNCKTSQI TTAISIPTP PALTPEGESR PPPASPGPNT NIPSIASNVV KVSAL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	KCND3
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Target Details

Alternative KCND3 ([KCND3 Products](#))

Name:

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, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene.,KCND3,BRGDA9,KCND3L,KCND3S,KSHIVB,KV4.3,SCA19,SCA22,Neuroscience,Cardiovascular,Heart,Cardiac arrhythmias,KCND3

Molecular Weight: 71 kDa/73 kDa

Weight:

Gene ID: 3752

UniProt: [Q9UK17](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

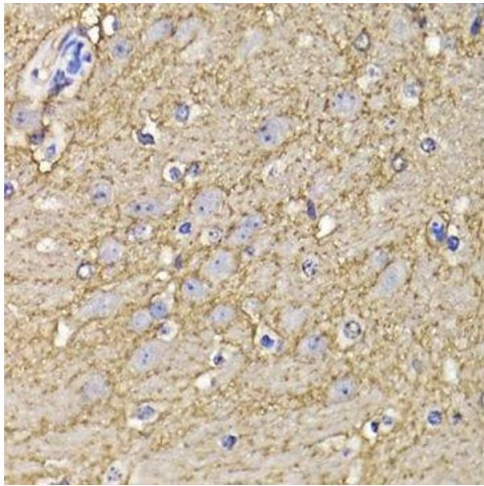
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

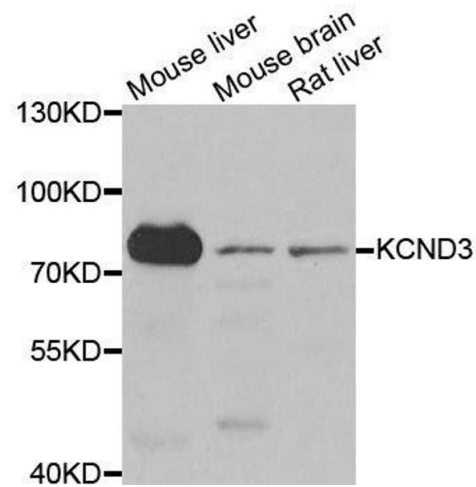
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using KCND3 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using KCND3 antibody.