

Datasheet for ABIN7262833

**anti-KCND3 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	KCND3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein of human KCND3 (NP_751948.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	KCND3
Alternative Name:	KCND3 ( <a href="#">KCND3 Products</a> )
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

## Target Details

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.

Molecular Weight:	Observed_MW: 73 kDa Calculated_MW: 71 kDa/73 kDa
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Gene ID:	3752
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UniProt:	<a href="#">Q9UK17</a>
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## Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 mg/mL
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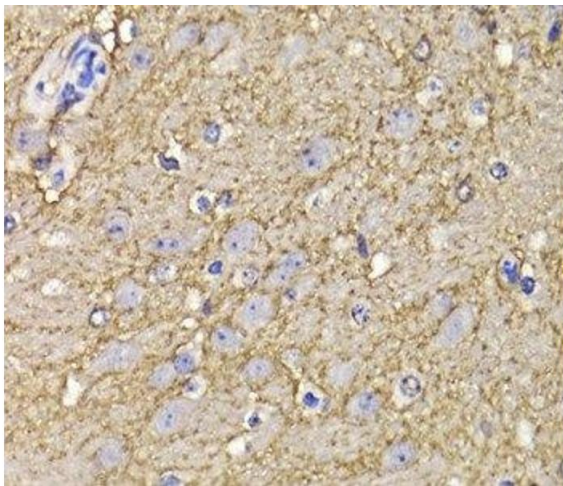
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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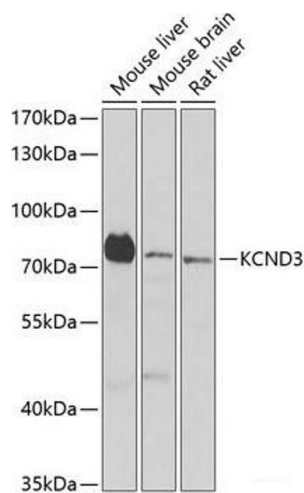
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse brain using KCND3 Polyclonal Antibody at dilution of 1:100 (40x lens).



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using KCND3 Polyclonal Antibody at dilution of 1:1000.