

# KCND2 antibody

Catalog No: #38747



Package Size: #38747-1 50ul #38747-2 100ul

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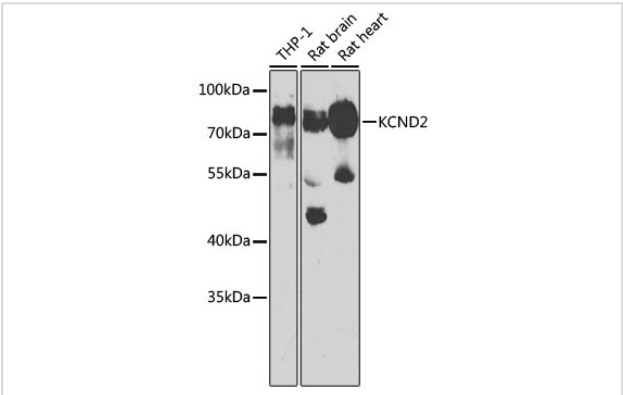
## Description

Product Name	KCND2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Rat
Specificity	The antibody detects endogenous level of total KCND2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human KCND2 (NP_036413.1).
Target Name	KCND2
Other Names	KCND2;KV4.2;RK5
Accession No.	Uniprot:Q9NZV8GeneID:3751
SDS-PAGE MW	82kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using KCND2 antibody.

## 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 mediates a rapidly inactivating, A-type outward potassium current which is not under the control of the N terminus as it is in Shaker channels.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.