

Datasheet for ABIN5542461
anti-KCND2 antibody (AA 27-184)

4 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	KCND2
Binding Specificity:	AA 27-184
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCND2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human KCND2 (AA: 27-184) expressed in E. coli.
Clone:	5B11B9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	KCND2
Alternative Name:	KCND2 (KCND2 Products)
Background:	Description: Voltage-gated potassium (Kv) channels represent the most complex class of

Target Details

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.

Aliases: RK5, KV4.2

Molecular Weight:	70.5 kDa
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Gene ID:	3751
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HGNC:	3751
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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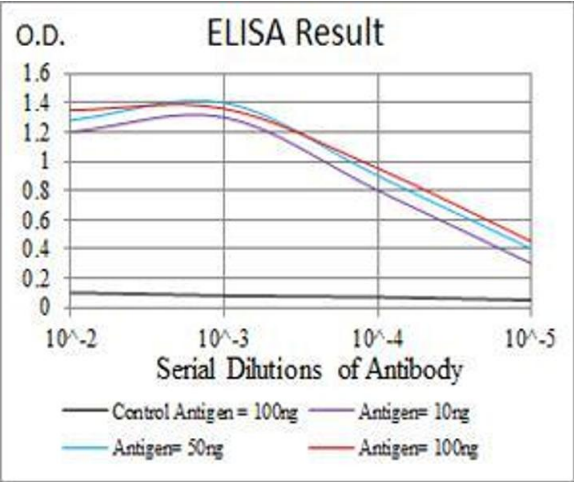
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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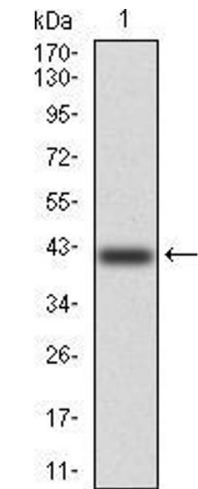
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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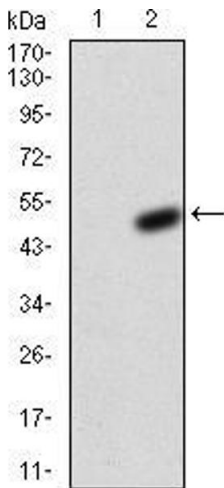
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using KCND2 mAb against human KCND2 (AA: 27-184) recombinant protein. (Expected MW is 42.3 kDa)



Western Blotting

Image 3. Western blot analysis using KCND2 mAb against HEK293 (1) and KCND2 (AA: 27-184)-hlgGfc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5542461.