

## Datasheet for ABIN2461107 **anti-KCNAB3 antibody**

### 1 Image



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### Overview

Quantity:	100 µL
Target:	KCNAB3
Reactivity:	Human, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human KCNAB3.
Purification:	Antibody is purified by protein A chromatography method.

### Target Details

Target:	KCNAB3
Alternative Name:	KCNAB3 ( <a href="#">KCNAB3 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 potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila,

## Target Details

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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 and the KCNA5 gene product assemble into a heteromultimeric A-type channel that inactivates completely and is significantly faster than other A-type Kv channels.

Molecular Weight: 44 kDa

Gene ID: 9196

NCBI Accession: [NP\\_004723](#)

UniProt: [O43448](#)

## Application Details

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Application Notes: KCNAB3 antibody can be used for detection of KCNAB3 by ELISA at 1:12500. KCNAB3 antibody can be used for detection of KCNAB3 by western blot at 0.65 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store KCNAB3 antibody at -20 °C.



### Western Blotting

Image 1.