

Datasheet for ABIN1537960  
**anti-KCNAB3 antibody (AA 176-204)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 400 µL                                |
| Target:              | KCNAB3                                |
| Binding Specificity: | AA 176-204                            |
| Reactivity:          | Human                                 |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This KCNAB3 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                 |

## Product Details

|               |                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This KCNAB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-204 amino acids from the Central region of human KCNAB3. |
| Clone:        | RB37693                                                                                                                                                               |
| Isotype:      | Ig Fraction                                                                                                                                                           |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                      |

## 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 |

## Target Details

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, 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: | 43670 |
|-------------------|-------|

|          |      |
|----------|------|
| Gene ID: | 9196 |
|----------|------|

|                 |                           |
|-----------------|---------------------------|
| NCBI Accession: | <a href="#">NP_004723</a> |
|-----------------|---------------------------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">O43448</a> |
|----------|------------------------|

## Application Details

|                    |            |
|--------------------|------------|
| Application Notes: | WB: 1:1000 |
|--------------------|------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
|---------|------------------------------------------------------------------------------|

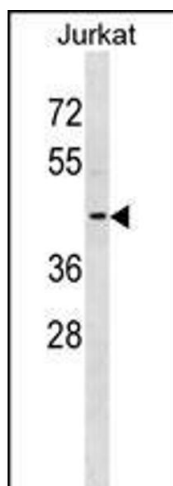
|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

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

|          |              |
|----------|--------------|
| Storage: | 4 °C, -20 °C |
|----------|--------------|

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Storage Comment: | KCNAB3 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C. |
|------------------|-------------------------------------------------------------------------------------------------------------------|

|              |          |
|--------------|----------|
| Expiry Date: | 6 months |
|--------------|----------|



#### Western Blotting

**Image 1.** KCNAB3 Antibody (Center) (ABIN1537960 and ABIN2849962) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the KCNAB3 antibody detected the KCNAB3 protein (arrow).