

[Go to Product page](#)

## Datasheet for ABIN7117722 anti-KCNAB2 antibody

### Overview

|              |                                       |
|--------------|---------------------------------------|
| Quantity:    | 100 µg                                |
| Target:      | KCNAB2                                |
| Reactivity:  | Rat, Human, Mouse                     |
| Host:        | Rabbit                                |
| Clonality:   | Polyclonal                            |
| Conjugate:   | This KCNAB2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA          |

### Product Details

|               |  |
|---------------|--|
| Immunogen:    | potassium voltage-gated channel, shaker-related subfamily, beta member 2 |
| Isotype:      | IgG  |
| Purification: | Immunogen affinity purified  |
| Purity:       | ≥95 % as determined by SDS-PAGE  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | KCNAB2   |
| Alternative Name: | KCNAB2 ( <a href="#">KCNAB2 Products</a> )   |
| Background:       | Synonyms:KCNAB2, KCNK2 Background:Cytoplasmic potassium channel subunit that modulates the characteristics of the channel-forming alpha-subunits(PubMed:7649300, PubMed:11825900). Contributes to the regulation of nerve signaling, and prevents neuronal hyperexcitability(By similarity). Promotes expression of the pore-forming alpha subunits at the |

## Target Details

cell membrane, and thereby increases channel activity(By similarity). Promotes potassium channel closure via a mechanism that does not involve physical obstruction of the channel pore(PubMed:7649300, PubMed:11825900). Promotes KCNA4 channel closure(PubMed:7649300, PubMed:11825900). Modulates the functional properties of KCNA5(By similarity). Enhances KCNB2 channel activity(By similarity). Binds NADPH and has NADPH-dependent aldo-ketoreductase activity(By similarity). Has broad substrate specificity and can catalyze the reduction of methylglyoxal, 9,10-phenanthrenequinone, prostaglandin J2, 4-nitrobenzaldehyde, 4-nitroacetophenone and 4-oxo-trans-2-nonenal(in vitro)(By similarity).

Molecular Weight: 38kd

Gene ID: 8514

UniProt: [Q13303](#)

## Application Details

Application Notes: WB: 1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months