

Datasheet for ABIN2461100

**anti-KCNN3 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	KCNN3
Reactivity:	Human, Rat, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human KCNN3.
Purification:	Antibody is purified by peptide affinity chromatography method.

## Target Details

Target:	KCNN3
Alternative Name:	KCNN3 ( <a href="#">KCNN3 Products</a> )
Background:	Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. KCNN3, a member of the KCNN family of potassium channel genes, encodes a protein that is activated before membrane hyperpolarization and is

## Target Details

thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits.

Molecular Weight: 81 kDa, 48 kDa

Gene ID: 3782

NCBI Accession: [NP\\_002240](#)

UniProt: [Q9UGI6](#)

## Application Details

Application Notes: KCNN3 antibody can be used for detection of KCNN3 by ELISA at 1:62500. KCNN3 antibody can be used for detection of KCNN3 by western blot at 2 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 50 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 KCNN3 antibody at -20 °C.



**Western Blotting**

**Image 1.**