

Datasheet for ABIN3032287  
**anti-KCND3 antibody (AA 1-177)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	KCND3
Binding Specificity:	AA 1-177
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Human partial recombinant protein (AA 1-177) was used as the immunogen for this Kv4.3 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	KCND3
Alternative Name:	Kv4.3 ( <a href="#">KCND3 Products</a> )
Background:	Potassium voltage-gated channel subfamily D member 3, also known as Kv4.3, is a protein that in humans is encoded by the KCND3 gene. Kv4.3 is a member of the potassium channel, voltage-gated, shal-related subfamily. Voltage-gated potassium (Kv) channels represent the

## Target Details

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. It is mapped to 1p13.2. Kv4.3 is important in membrane repolarization in excitable cells. It contributes to the cardiac transient outward potassium current (Ito1), the main contributing current to the repolarizing phase 1 of the cardiac action potential.

Gene ID: 3752

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Kv4.3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the Kv4.3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of Kv4.3 antibody and mouse brain lysate. Predicted/observed size ~71KD



Western Blotting

**Image 2.** Western blot testing of Kv4.3 antibody and mouse brain lysate. Predicted/observed size ~71KD