

Datasheet for ABIN7269488
anti-Kv3.4 antibody (AA 490-538)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	Kv3.4 (KCNC4)
Binding Specificity:	AA 490-538
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv3.4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNC4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 490-538 of human KCNC4 (NP_004969.2).
Sequence:	KKRKKHVPRP AQLESPMYCK SEETSPRDST CSDTSPARE EGMIERKRA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

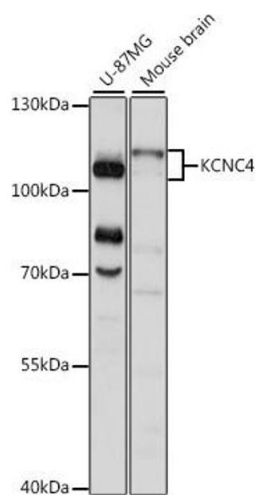
Target:	Kv3.4 (KCNC4)
Alternative Name:	KCNC4 (KCNC4 Products)
Background:	<p>The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. It generates atypical voltage-dependent transient current that may be important for neuronal excitability. Multiple transcript variants have been found for this</p> <p>gene.,KCNC4,C1orf30,HKSHIIC,KSHIIC,KV3.4,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,KCNC4</p>
Molecular Weight:	64kDa/68kDa/69kDa
Gene ID:	3749
UniProt:	Q03721

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using KCNC4 antibody (ABIN7269488) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.