

## Datasheet for ABIN6142769 **anti-KCNN3 antibody (AA 237-426)**



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	KCNN3
Binding Specificity:	AA 237-426
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN3 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 237-426 of human KCNN3 (NP_740752.1).
Sequence:	VARKLELTKA EKHVHNFMMMD TQLTKRIKNA AANVLRETWL IYKHTKLLKK IDHAKVRKHQ RKFLQAIHQL RSVKMEQRKL SDQANTLVDL SKMQNVMYDL ITelNDRSED LEKQIGSLES KLEHLTASFN SLPLLIADTL RQQQQQLLSA IIEARGVSA VGTTHTPISD SPIGVSSSTF PTPYTSSSSC
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

## Target Details

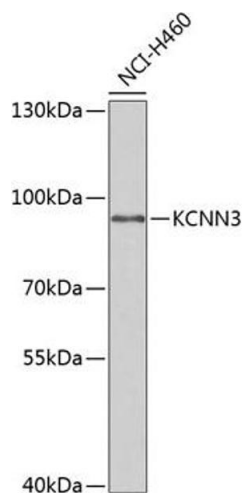
Target:	KCNN3
Alternative Name:	KCNN3 ( <a href="#">KCNN3 Products</a> )
Background:	Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,KCNN3,KCa2.3,SK3,SKCA3,hSK3,Signal Transduction,Neuroscience,KCNN3
Molecular Weight:	47 kDa/48 kDa/82 kDa
Gene ID:	3782
UniProt:	<a href="#">Q9UGI6</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
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 NCI-H460 cells, using KCNN3 antibody (ABIN6131840, ABIN6142769, ABIN6142771 and ABIN6221723) 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 Enhanced Kit (RM00021). Exposure time: 60s.