

# KCNN3 rabbit monoclonal antibody

Catalog # H00003782-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human KCNN3 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human KCNN3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human KCNN3 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — KCNN3

Entrez GeneID	<a href="#">3782</a>
GeneBank Accession#	<a href="#">KCNN3</a>
Gene Name	KCNN3
Gene Alias	KCa2.3, SK3, SKCA3, hSK3
Gene Description	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3
Omim ID	<a href="#">602983</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. The protein encoded by this gene is activated before membrane hyperpolarization and is 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. 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. This gene is a member of the KCNN family of potassium channel genes. Two transcript variants encoding two different isoforms have been found for this gene. One of the variants lacks the CAG repeat regions. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000035369 OTTHUMP00000042458 OTTHUMP00000042459 small conductance calcium-activated potassium channel protein 3

## Disease

- [Anorexia Nervosa](#)
- [Atrial Fibrillation](#)
- [Atrioventricular Block](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)

- [Bulimia](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Migraine Disorders](#)
- [Myotonic dystrophy](#)
- [NARP](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)
- [Tobacco Use Disorder](#)