

DNAxPAb

Hard-to-Find
Antibody

KCNN3 DNAxPab

Catalog # H00003782-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human KCNN3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — KCNN3

Entrez GeneID	3782
GeneBank Accession#	NM_170782.1
Protein Accession#	NP_740752.1
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	602983
Gene Ontology	Hyperlink
Gene Summary	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]
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](#)