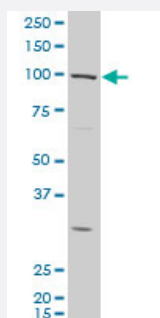


# KCNH1 polyclonal antibody (A01)

Catalog # H00003756-A01

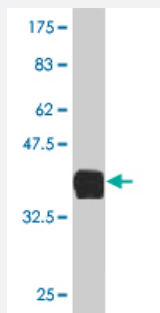
Size 50 uL

## Applications



### Western Blot (Cell lysate)

KCNH1 polyclonal antibody (A01), Lot # 061110JCS1 Western Blot analysis of KCNH1 expression in SJCRH30 ( Cat # L027V1 ).



Western Blot detection against Immunogen (37 KDa) .

## Specification

### Product Description

Mouse polyclonal antibody raised against a partial recombinant KCNH1.

### Immunogen

KCNH1 (NP\_758872, 890 a.a. ~ 988 a.a) partial recombinant protein with GST tag.

### Sequence

RLDNVGEARSPQDRSPILAEVKHSFYPIPEQTLQATVLEVRHELKEDIKALNAKMTNIEKQLSEILRI  
LTSRRSSQSPQELFEISRPQSPESERDIFGA

### Host

Mouse

### Reactivity

Human

### Interspecies Antigen Sequence

Mouse (90); Rat (91)

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
Western Blot detection against Immunogen (37 KDa) .

**Storage Buffer**

50 % glycerol

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

KCNH1 polyclonal antibody (A01), Lot # 061110JCS1 Western Blot analysis of KCNH1 expression in SJCRH30 ( Cat # L027V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — KCNH1

**Entrez GeneID**

[3756](#)

**GeneBank Accession#**

[NM\\_172362](#)

**Protein Accession#**

[NP\\_758872](#)

**Gene Name**

KCNH1

**Gene Alias**

EAG, EAG1, Kv10.1, MGC142269, h-eag

**Gene Description**

potassium voltage-gated channel, subfamily H (eag-related), member 1

**Omim ID**

[603305](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

Voltage-gated potassium (Kv) channels represent the 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. It is activated at the onset of myoblast differentiation. The gene is highly expressed in brain and in myoblasts. Overexpression of the gene may confer a growth advantage to cancer cells and favor tumor cell proliferation. Alternative splicing of this gene results in two transcript variants encoding distinct isoforms. [provided by RefSeq]

**Other Designations**

OTTHUMP00000034451|OTTHUMP00000034569|ether-a-go-go potassium channel 1|ether-a-go-go, Drosophila, homolog of|potassium channel, voltage-gated, subfamily H, member 1|potassium voltage-gated channel, subfamily H, member 1

**Disease**

- [Long QT Syndrome](#)
- [Tachycardia](#)
- [Tobacco Use Disorder](#)