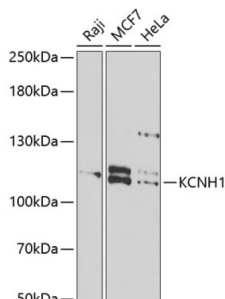


# Potassium Voltage-Gated Channel Subfamily H Member 1 (KCNH1) Antibody

Catalogue No.: abx005087



Western blot analysis of various lysates using KCNH1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.

KCNH1 Antibody is a Rabbit Polyclonal antibody against KCNH1. 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.

<b>Target:</b>	Potassium Voltage-Gated Channel Subfamily H Member 1 (KCNH1)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 µg/ml, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant protein corresponding to KCNH1. The exact sequence is proprietary.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.

# Datasheet

Version: 5.0.0

Revision date: 29 Aug 2025



**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** O95259 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** KCNH1

**GeneID:** [3756](#)

**NCBI Accession:** NP\_002229.1

**KEGG:** hsa:3756

**String:** [9606.ENSP00000271751](#)

**Molecular Weight:** Calculated MW: 111 kDa  
Observed MW: 111 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only