

Anti-KCNH1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 111 kDa. Actual: 108110 kDa.
Purification:	Protein A purified

Applications

1. Blank control: Hela (blue). Primary Antibody: Rabbit Anti-KCNH1 antibody (TMAB-07931), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1: 200 in 1 X PBS containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min). Antibody were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA+10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody of 000 events was

Verified Activity:

performed.

2. Sample:

Lane 1: Mouse Testis tissue lysates

Lane 2: Rat Testis tissue lysates

Lane 3: Human MCF-7 cell lysates

Lane 4: Human HeLa cell lysates

Primary: Anti-KCNH1 (TMAB-07931) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 111 kDa

Observed band size: 108, 110 kDa

Application: WB,FCM

Recommended WB: 1:500-2000; FCM: 1 μ g/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human KCNH1
Antigen Species: Human
Gene ID: 3756
Uniprot ID: O95259

Research Background

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, Jul 2008].

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481