KCNH2 Antibody

Catalog No: #36920

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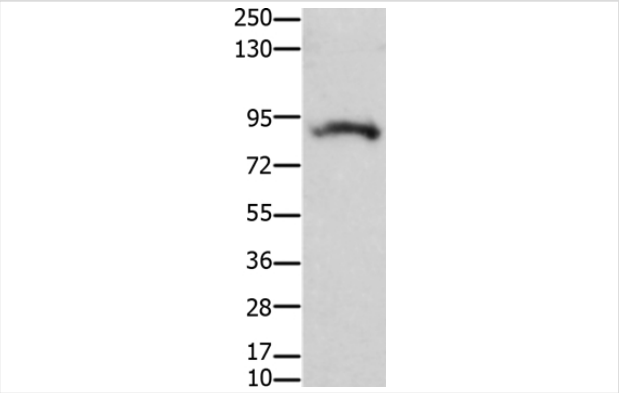
Description

Product Name	KCNH2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total KCNH2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human potassium voltage-gated channel, subfamily H (eag-related), member 2
Target Name	KCNH2
Other Names	ERG1; HERG; LQT2; SQT1; HERG1; Kv11.1
Accession No.	Swiss-Prot#: Q12809NCBI Gene ID: 3757Gene Accssion: NP_000229
Uniprot	Q12809
GeneID	3757;
SDS-PAGE MW	90kd
Concentration	0.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE
Lysates (from left to right): Mouse brain tissue
Amount of lysate: 30ug per lane
Primary antibody: 1/100 dilution
Secondary antibody dilution: 1/8000
Exposure time: 5 minutes

Background

This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the Drosophila ether-a-go-go

(eag) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr). Isoform 3 has no channel activity by itself, but modulates channel characteristics when associated with isoform 1.

Note: This product is for in vitro research use only