

For Research Use Only

KCNH2 Polyclonal antibody

Catalog Number:30853-1-AP



Basic Information

Catalog Number:

30853-1-AP

Size:

150ul , Concentration: 440 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34230

GenBank Accession Number:

NM_000238

GeneID (NCBI):

3757

UNIPROT ID:

Q12809

Full Name:

potassium voltage-gated channel, subfamily H (eag-related), member 2

Calculated MW:

127 kDa

Observed MW:

100-120 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, MDA-MB-231 cells

Background Information

Voltage-gated inwardly rectifying potassium channel KCNH2 (also known as ERG1, Kv11.1, and HERG) is a key member of the voltage-gated potassium (Kv) channel family (PMID: 16382104). Growing evidence has indicated that the association between KCNH2 and hypoglycemia, an adverse effect induced by KCNH2 blockers, implies a potential regulatory role of this channel in the maintenance of blood glucose homeostasis (PMID: 21224236; 31863282). Mutations in the KCNH2 gene are recognized as one of the etiological factors of congenital long QT syndrome (LQTS), a rare syndrome that carries an increased risk of cardiac arrhythmias, including the polymorphic ventricular tachycardia termed torsades de pointes (TdP) (PMID: 17143043; 16554806).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

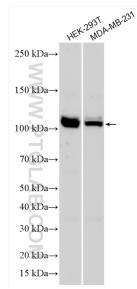
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30853-1-AP (KCNH2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.