

For Research Use Only

KCNH2 Polyclonal antibody

Catalog Number:30853-1-AP



Basic Information

Catalog Number:

30853-1-AP

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

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

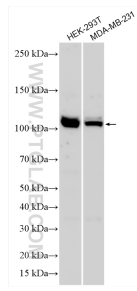
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.