

For Research Use Only

# KCNH2 Polyclonal antibody, PBS Only

Catalog Number:30853-1-PBS



## Basic Information

Catalog Number:

30853-1-PBS

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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

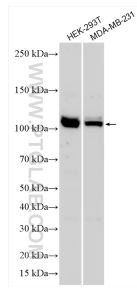
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 30853-1-PBS in a different storage buffer formulation.