For Research Use Only

KCNH2 Polyclonal antibody, PBS Only

Catalog Number:30853-1-PBS

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Basic Information

Catalog Number:
30853-1-PBS

Size:
100ug , Concentration: 1 mg/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

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.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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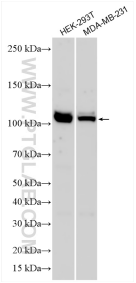
Selected Validation Data



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.