

For Research Use Only

KCNE4 Polyclonal antibody

Catalog Number: 18289-1-AP **4 Publications**



Basic Information

Catalog Number:

18289-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_080671

GeneID (NCBI):

23704

UNIPROT ID:

Q8WWG9

Full Name:

potassium voltage-gated channel,
Isk-related family, member 4

Calculated MW:

18 kDa

Observed MW:

25-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : LO2 cells,

Background Information

KCNE4, also named as MIRP3 and MGC2035, is a membrane protein belongs to a family of single transmembrane domain proteins known to have dramatic effect on the gating of certain potassium channels. KCNE4 is expressed strongly in heart, skeletal muscle and kidney. Electrophysiological studies show that human KCNE4 modulates the activation of the KCNQ1 channel.

Notable Publications

Author	Pubmed ID	Journal	Application
Laura Solé	27802162	J Cell Sci	WB,IF
Albert Vallejo-Gracia	34272451	Sci Rep	IHC
Sara R Roig	34234241	Sci Rep	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

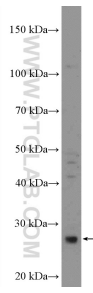
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 18289-1-AP (KCNE4 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night.