

For Research Use Only

# KCNE4 Polyclonal antibody

Catalog Number: 18289-1-AP

4 Publications



## Basic Information

Catalog Number:

18289-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

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: L02 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

\*\*\* 20ul sizes contain 0.1% BSA

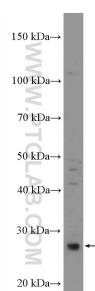
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## Selected Validation Data



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.