

For Research Use Only

KCNE4 Polyclonal antibody

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



Basic Information

Catalog Number: 18289-1-AP	GenBank Accession Number: NM_080671	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23704	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: potassium voltage-gated channel, Isk-related family, member 4	
Isotype: IgG	Calculated MW: 18 kDa	
	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: L02 cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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

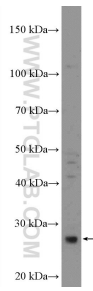
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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.