

For Research Use Only

Kir7.1 Polyclonal antibody

Catalog Number: 12657-1-AP **1 Publications**



Basic Information

Catalog Number: 12657-1-AP	GenBank Accession Number: BC037290	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 3769	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: potassium inwardly-rectifying channel, subfamily J, member 13	
Isotype: IgG	Calculated MW: 360 aa, 43 kDa	
Immunogen Catalog Number: AG3327	Observed MW: 43 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human brain tissue, human kidney tissue IHC : human small intestine tissue,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Kir7.1, encoded by KCNJ13 gene, is a member of the inwardly rectifying potassium channel family of proteins. Kir7.1 is a low-conductance channel. At mRNA level, Kir7.1 is predominantly expressed in small intestine and also expressed in stomach, kidney, and brain. Mutations in KCNJ13 gene are associated with snowflake vitreoretinal degeneration.

Notable Publications

Author	Pubmed ID	Journal	Application
Shishuai Wen	34693452	Acta Biochim Biophys Sin (Shanghai)	IHC

Storage

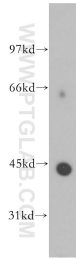
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

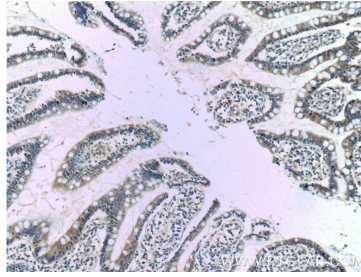
For technical support and original validation data for this product please contact:
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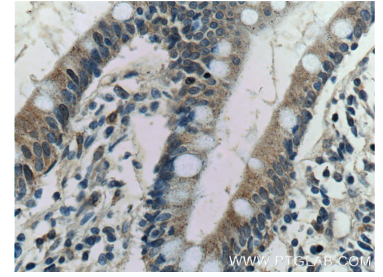
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 12657-1-AP (Kir7.1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 12657-1-AP (Kir7.1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 12657-1-AP (Kir7.1 antibody) at dilution of 1:50 (under 40x lens).