

For Research Use Only

KCNJ15 Recombinant antibody

Catalog Number: 83257-5-RR



Basic Information

Catalog Number: 83257-5-RR	GenBank Accession Number: BC013327	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3772	CloneNo.: 240141C3
Source: Rabbit	UNIPROT ID: Q99712	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: potassium inwardly-rectifying channel, subfamily J, member 15	
Immunogen Catalog Number: AG34655	Calculated MW: 375 aa, 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells,
Species Specificity: human	

Background Information

KCNJ15, also named as KIR1.3, KIR4.2, and IRKK, is a multi-pass membrane protein belonging to the inwardly-rectifying potassium channel (KIR) family. KIR channels perform functions as diverse as the regulation of resting membrane potential, maintenance of potassium ions homeostasis, control of heart rate and hormone secretion. Cloned from human kidney, the KCNJ15 gene is localized on chromosome 21 in the Down syndrome chromosome region 1 (DCR1) and has been identified as a type 2 diabetes-associated risk gene. The gene is most readily expressed in the pancreas and kidney and less in the lung. (PMID: 8995301; 9299242; 20085713)

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:

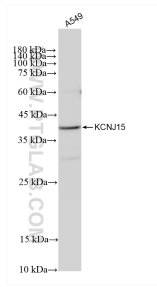
T: 4006900926

E: Proteintech-CN@ptglab.com

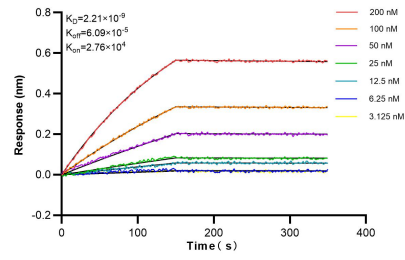
W: ptgcn.com

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

Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 83257-5-RR (KCNJ15 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83257-5-RR against Human KCNJ15 were performed. The affinity constant is 0.221 nM.