

For Research Use Only

GPR105 Recombinant antibody

Catalog Number: 83511-1-RR



Basic Information

Catalog Number: 83511-1-RR	GenBank Accession Number: BC034989	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9934	CloneNo.: 240498B10
Source: Rabbit	UNIPROT ID: Q15391	Recommended Dilutions: WB 1:200-1:1000
Isotype: IgG	Full Name: purinergic receptor P2Y, G-protein coupled, 14	
Immunogen Catalog Number: AG14105	Calculated MW: 338 aa, 39 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, K-562 cells, MCF-7 cells, human placenta tissue, mouse lung tissue
Species Specificity: human, mouse	

Background Information

GPR105 (P2RY14) is widely expressed throughout many brain regions and peripheral tissues of humans and rodents, and couples to a pertussis toxin-sensitive G protein (PMID: 14559350). GPR105 is also prominently expressed in immune cells, including macrophages, lymphocytes, and neutrophils (PMID: 22778393).

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:

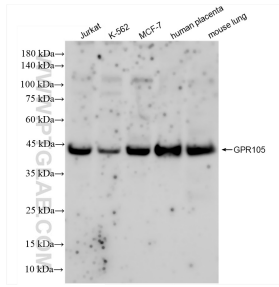
T: 4006900926

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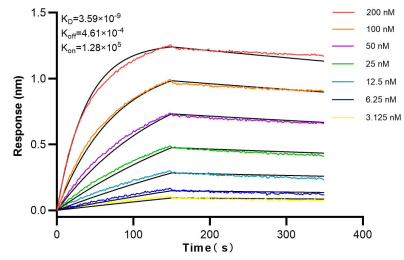
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83511-1-RR (GPR105 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83511-1-RR against Human GPR105 were performed. The affinity constant is 3.59 nM.