

For Research Use Only

GPR180 Polyclonal antibody, PBS Only

Catalog Number: 16691-1-PBS



Basic Information

Catalog Number: 16691-1-PBS	GenBank Accession Number: BC052243	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 160897	
Source: Rabbit	UNIPROT ID: Q86V85	
Isotype: IgG	Full Name: G protein-coupled receptor 180	
Immunogen Catalog Number: AG10052	Calculated MW: 440 aa, 49 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

GPR180 is an orphan GPCR, also known as the Endothelial Thickness-Related Receptor (ITR), and is a member of the GOLDS domain seven transmembrane helix (GOST) protein family. This receptor was initially discovered to promote the proliferation of vascular smooth muscle cells, leading to subsequent thickening of the vascular intima. GPR180 interacts with CTHRC1 to regulate the TGF β signaling pathway, influencing energy metabolism and thermogenic function (PMID: 34880217).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16691-1-AP (GPR180 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16691-1-PBS in a different storage buffer formulation.