

For Research Use Only

GPR175 Polyclonal antibody, PBS Only

Catalog Number: 33499-1-PBS



Basic Information

Catalog Number: 33499-1-PBS	GenBank Accession Number: BC050711	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 131601	
Source: Rabbit	UNIPROT ID: Q86W33	
Isotype: IgG	Full Name: G protein-coupled receptor 175	
Immunogen Catalog Number: AG39379	Observed MW: 55 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

GPR175, also known as TPRA1 or TPRA40, is a transmembrane protein. GPR175 was first cloned as a GLP-1 receptor homolog in 3T3-L1 adipocytes and is also expressed in tissues that require Hh signaling during development, including the heart, brain, lung, pancreas, and muscle. Endogenous GPR175 localizes to cilia in a Hh-dependent manner, where it can interact with (constitutively) ciliary Gai1 to inhibit the local production of cAMP by adenylyl cyclase. The calculated molecular weight of GPR175 is 41 kDa. With glycosylation modification, the molecular weight of GPR175 will be migrated to 55 kDa. (PMID: 26451044)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

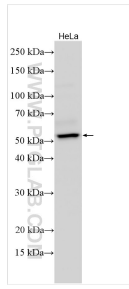
For technical support and original validation data for this product please contact:

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 33499-1-AP (GPR175 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33499-1-PBS in a different storage buffer formulation.