

For Research Use Only

GPR175 Polyclonal antibody

Catalog Number: 33499-1-AP



Basic Information

Catalog Number: 33499-1-AP	GenBank Accession Number: BC050711	Purification Method: Antigen affinity Purification
Concentration: 400 µg/ml	GeneID (NCBI): 131601	Recommended Dilutions: WB: 1:500-1:3000
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, ELISA	Positive Controls: WB : HeLa cells, human placenta tissue
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 G α i1 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

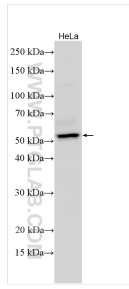
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Selected Validation Data



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.