

GPR161 Polyclonal Antibody

Catalog number: 13398-1-AP

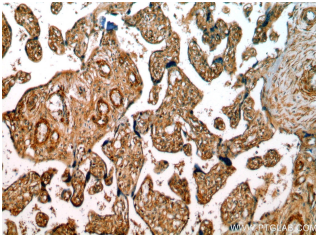
Size: 40 µg/150 µl

Source: Rabbit

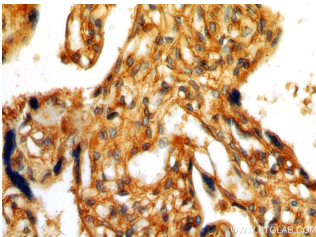
Isotype: IgG

Synonyms:

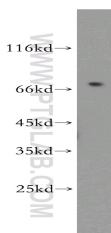
GPR161; FLJ33952, G protein coupled receptor 161, G protein coupled receptor RE2, GPR161, RE2



Immunohistochemical of paraffin-embedded human placenta using 13398-1-AP(GPR161 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human placenta using 13398-1-AP(GPR161 antibody) at dilution of 1:50 (under 40x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 13398-1-AP(GPR161 antibody) at dilution of 1:500

Background

GPR161 (also known as RE2) is an orphan G protein-coupled receptor and plays important roles in the Hh pathway. In the absence of Hh signals, GPR161 localizes to primary cilia and keeps the downstream GLI transcription factors in their repressor forms (PMID: 26305592). Ciliary localization of GPR161 requires TULP3 and the IFT-A complex. In presence of SHH, GPR161 is removed from primary cilia and is internalized into recycling endosomes, preventing its activity and allowing activation of the Shh signaling.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated GPR161 MW:	529aa, 59 kDa
Observed GPR161 MW:	70 kDa
Positive WB detected in	HeLa cells, HEK-293 cells
Positive IHC detected in	Human placenta tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4221
GenBank accession number:	BC028163
Gene ID (NCBI):	23432
Full name:	G protein-coupled receptor 161

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.