

GPR161 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12006**Specification**

GPR161 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8N6U8
Other Accession	NM_153832 , NP_722561
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted	Human, Mouse, Rabbit, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa KDa

GPR161 antibody - middle region - Additional Information**Gene ID** 23432**Alias Symbol** **FLJ33952, RE2****Other Names**

G-protein coupled receptor 161, G-protein coupled receptor RE2, GPR161

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-GPR161 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

GPR161 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

GPR161 antibody - middle region - Protein Information**Name** GPR161**Function**

Key negative regulator of Shh signaling, which promotes the processing of GLI3 into GLI3R during neural tube development. Recruited by TULP3 and the IFT-A complex to primary cilia and acts as a regulator of the PKA-dependent basal repression machinery in Shh signaling by increasing cAMP levels, leading to promote the PKA-dependent processing of GLI3 into GLI3R and repress the Shh signaling. In presence of SHH, it is removed from primary cilia and is internalized into recycling endosomes, preventing its activity and allowing activation of the Shh signaling. Its ligand is unknown (By similarity).

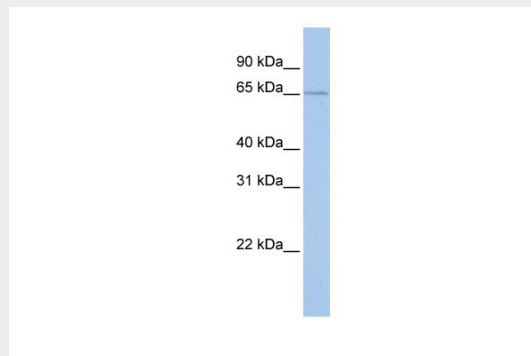
Cellular Location

Cell projection, cilium membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Mainly localizes to primary cilium in a TULP3 and IFT-A complex-dependent manner. In presence of SHH, it is removed from primary cilia and is internalized into recycling endosomes and is apparently not degraded (By similarity).

GPR161 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

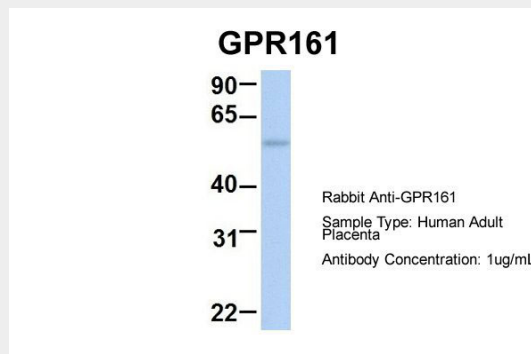
GPR161 antibody - middle region - Images

WB Suggested Anti-GPR161 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: 721_B cell lysate

GPR161 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Host:Rabbit

Target Name:GPR161

Sample Tissue:Human Adult Placenta

Antibody Dilution: 1.0µg/ml

GPR16190—
65—
40—
31—
22—Rabbit Anti-GPR161
Sample Type: Human Fetal
Muscle
Antibody Concentration: 1ug/mL

Host:Rabbit
Target Name:GPR161
Sample Tissue:Human Fetal Muscle
Antibody Dilution: 1.0µg/ml

GPR16190—
65—
40—
31—
22—Rabbit Anti-GPR161
Sample Type: Human Fetal Lung
Antibody Concentration: 1ug/mL

Host:Rabbit
Target Name:GPR161
Sample Tissue:Human Fetal Lung
Antibody Dilution: 1.0µg/ml

GPR161 antibody - middle region - References

Gregory,S.G., (2006) Nature 441 (7091), 315-321 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.