

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

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**GPR161 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">Q8N6U8</a>
Other Accession	<a href="#">NM_153832</a> , <a href="#">NP_722561</a>
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).

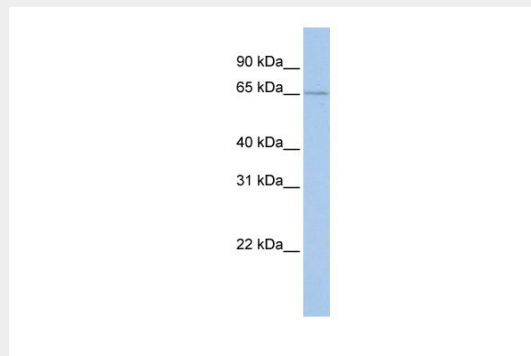
**Cellular Location**

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](#)

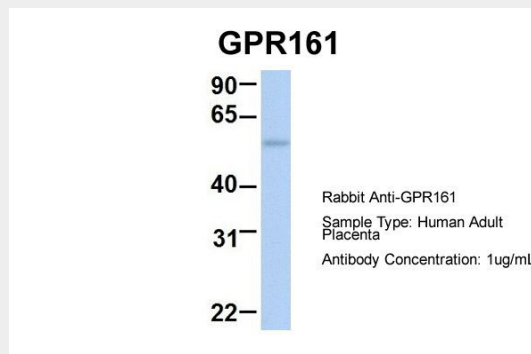
**GPR161 antibody - middle region - Images**

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

**GPR161**90—  
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

**GPR161**90—  
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.