

GPR161 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12005**Specification**

GPR161 antibody - N-terminal region - Product Information

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

GPR161 antibody - N-terminal 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 100 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 - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GPR161 antibody - N-terminal 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).

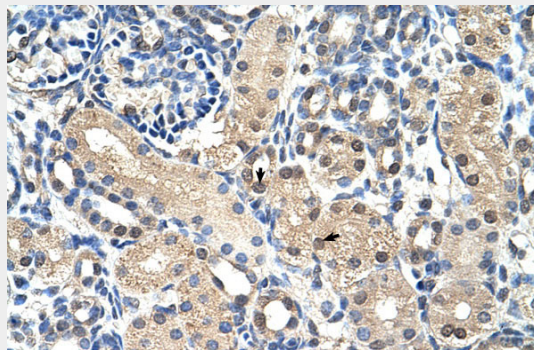
Cellular Location

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).

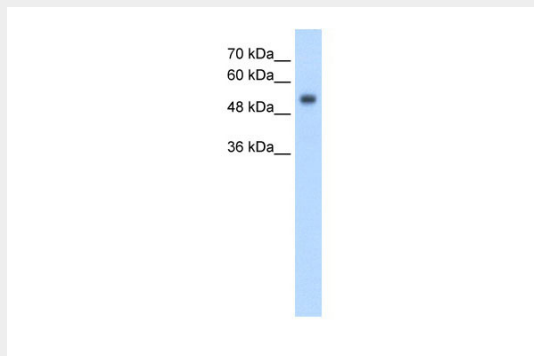
GPR161 antibody - N-terminal region - Protocols

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 - N-terminal region - Images

Rabbit Anti-GPR161 Antibody
Paraffin Embedded Tissue: Human Kidney
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



70 kDa
60 kDa
48 kDa
36 kDa

WB Suggested Anti-GPR161 Antibody Titration: 2.5µg/ml
Positive Control: HepG2 cell lysate

GPR161 antibody - N-terminal region - References

Small, K.M., FEBS Lett. 516 (1-3), 253-256 (2002) Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.