

# PTGFR Antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI15191

#### **Product Information**

Application WB Primary Accession P43088

Other Accession NM 000959, NP 000950

**Reactivity**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep **Predicted**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep

Host Rabbit
Clonality Polyclonal
Calculated MW 40055

#### **Additional Information**

Gene ID 5737

Alias Symbol FP, MGC120498, MGC46203

Other Names Prostaglandin F2-alpha receptor, PGF receptor, PGF2-alpha receptor,

Prostanoid FP receptor, PTGFR

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-PTGFR 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** PTGFR Antibody - C-terminal region is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name PTGFR

**Function** Receptor for prostaglandin F2-alpha (PGF2-alpha). The activity of this

receptor is mediated by G proteins which activate a

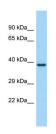
phosphatidylinositol-calcium second messenger system. Initiates luteolysis in the corpus luteum (By similarity). Isoforms 2 to 7 do not bind PGF2-alpha but are proposed to modulate signaling by participating in variant receptor complexes; heterodimers between isoform 1 and isoform 5 are proposed to be a receptor for prostamides including the synthetic analog bimatoprost.

**Cellular Location** Cell membrane; Multi-pass membrane protein.

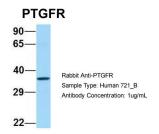
### References

Abramovitz M.,et al.J. Biol. Chem. 269:2632-2636(1994). Kunapuli P.,et al.J. Biol. Chem. 272:27147-27154(1997). Kopatz S.A.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases. Vielhauer G.A.,et al.Arch. Biochem. Biophys. 421:175-185(2004). Ota T.,et al.Nat. Genet. 36:40-45(2004).

## **Images**



WB Suggested Anti-PTGFR Antibody Titration: 1.0 μg/ml Positive Control: Fetal kidney



Host:Rabbit
Target Name:PTGFR
Sample Tissue:Human 721\_B
Antibody Dilution: 1.0µg/mlPTGFR is supported by BioGPS
gene expression data to be expressed in 721\_B

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.