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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

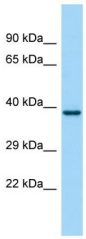
Name	PTGFR
Function	Receptor for prostaglandin F2-alpha (PGF2-alpha). The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Initiates luteolysis in the corpus luteum (By similarity). Isoforms 2 to 7 do not bind PGF2-alpha but are 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.

Tissue Location Eye..

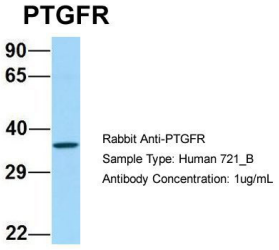
References

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'.