

FP / PTGFR Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10853**Specification**

FP / PTGFR Antibody (Extracellular Domain) - Product Information

Application	IHC-P
Primary Accession	P43088
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa
Dilution	IHC-P~~N/A

FP / PTGFR Antibody (Extracellular Domain) - Additional Information**Gene ID** 5737**Other Names**

Prostaglandin F2-alpha receptor, PGF receptor, PGF2-alpha receptor, Prostanoid FP receptor, PTGFR

Target/Specificity

Human PTGFR. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

FP / PTGFR Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

FP / PTGFR Antibody (Extracellular Domain) - 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..

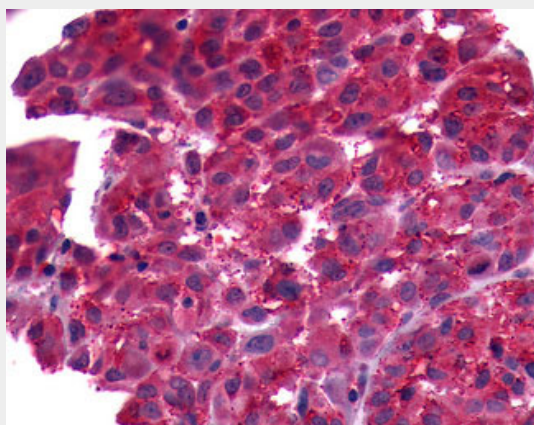
Volume

50 µl

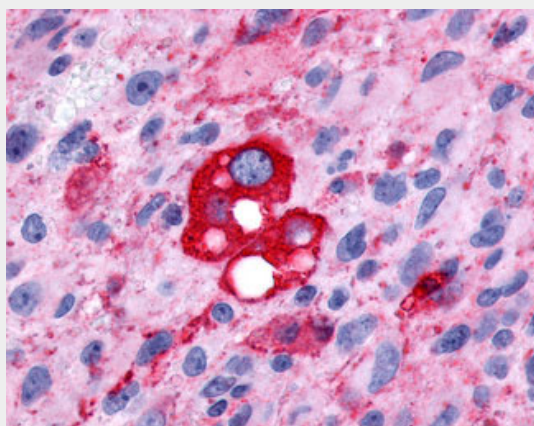
FP / PTGFR Antibody (Extracellular Domain) - Protocols

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

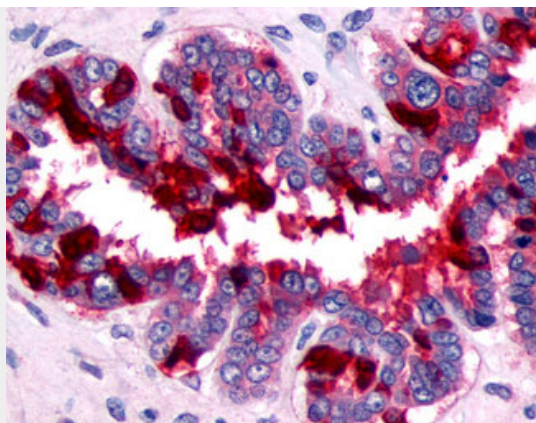
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FP / PTGFR Antibody (Extracellular Domain) - Images

Anti-FP / PTGFR antibody IHC of human Skin, Melanoma.



Anti-FP / PTGFR antibody IHC of human Brain, Glioblastoma.



Anti-FP / PTGFR antibody IHC of human Ovary, Carcinoma.

FP / PTGFR Antibody (Extracellular Domain) - Background

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.

FP / PTGFR Antibody (Extracellular Domain) - 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).