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FP / PTGFR Antibody (Extracellular Domain)

Rabbit Polyclonal Antibody

Catalog # ALS10853

Specification

FP / PTGFR Antibody (Extracellular Domain) - Product Information

Application	**IHC**
Primary Accession	P43088
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40kDa KDa**

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..

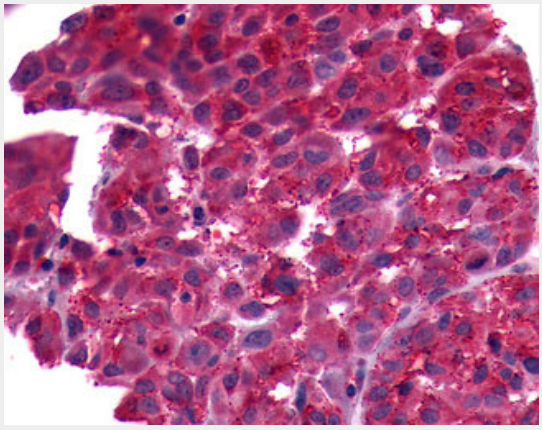
Volume
50 µl

FP / PTGFR Antibody (Extracellular Domain) - Protocols

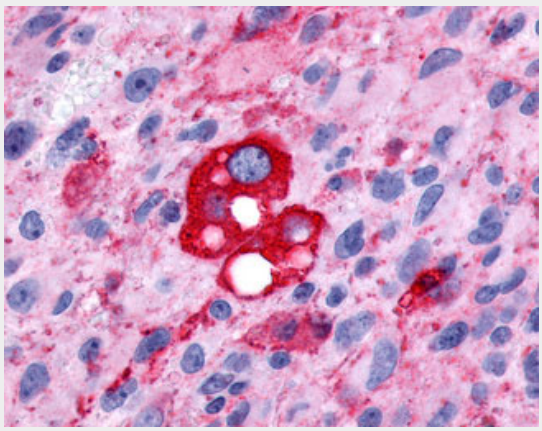
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FP / PTGFR Antibody (Extracellular Domain) - Images

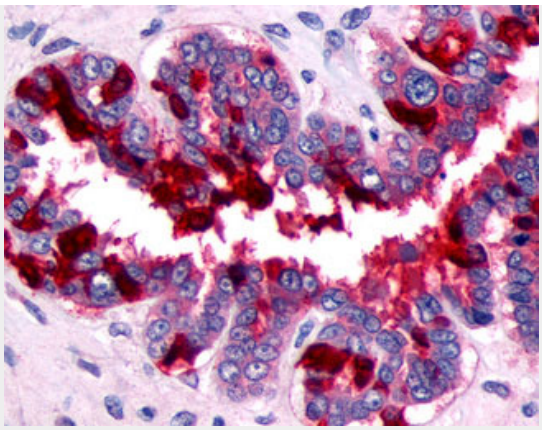


Anti-FP / PTGFR antibody IHC of human Skin, Melanoma.



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

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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

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Kunapuli P.,et al.J. Biol. Chem. 272:27147-27154(1997).
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