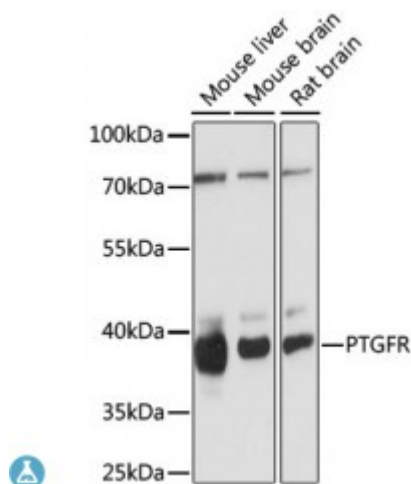


Anti-PTGFR Antibody



Description

The protein encoded by this gene is member of the G-protein coupled receptor family. This protein is a receptor for prostaglandin F₂-alpha (PGF₂-alpha), which is known to be a potent luteolytic agent, and may also be involved in modulating intraocular pressure and smooth muscle contraction in uterus. Knockout studies in mice suggest that the interaction of PGF₂-alpha with this receptor may initiate parturition in ovarian luteal cells and thus induce luteolysis. Two transcript variants encoding different isoforms have been found for this gene.

Model	STJ117282
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human PTGFR (NP_000950.1).
Gene ID	5737
Gene Symbol	PTGFR
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Eye
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Prostaglandin F ₂ -alpha receptor PGF receptor PGF ₂ -alpha receptor Prostanoid FP receptor

Molecular Weight	40.055 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9600OMIM:600563Reactome:R-HSA-391908
Alternative Names	Prostaglandin F2-alpha receptor PGF receptor PGF2-alpha receptor Prostanoid FP receptor
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 , Isoforms 2 to 7 do not bind PGF2-alpha but are proposed to modulate signaling by participating in variant receptor complexes
Cellular Localization	Cell membrane

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