

Rabbit PGF2alpha Polyclonal Antibody | anti-Ptgfr antibody

PGF2alpha receptor (FP) polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77031	Rabbit	Mouse, Rat Predicted species reactivity based on epitope sequence homology: wild boar, dog	Western Blot, Immunohistochemistry, ELISA

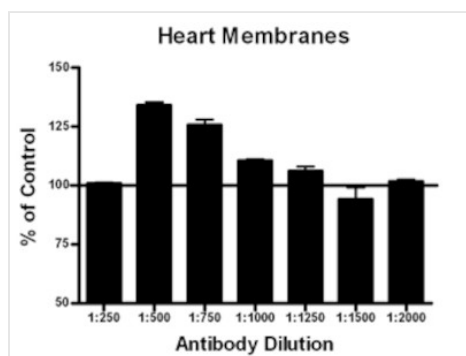
PRODUCT SYNONYMS

PGF2alpha; Polyclonal Antibody; PGF2alpha receptor (FP) polyclonal antibody; anti-Ptgfr antibody

PRODUCT SPECIFICATIONS

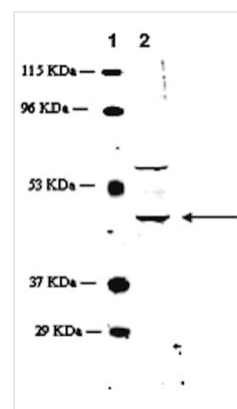
Host	Rabbit
Reactivity	Mouse, Rat Predicted species reactivity based on epitope sequence homology: wild boar, dog
Clonality	Polyclonal
Purity/Purification	Peptide Affinity purified
Form/Format	Liquid. In PBS containing 50% glycerol and 0.01% sodium azide
Applicable Applications for anti-Ptgfr antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide corresponding to the sequence near the N-terminus of rat PGF2 Receptor
Preparation and Storage	For long term storage, store at -20°C.

IMAGES



ELISA

Membrane ELISA: Lewis rat striatum membranes (5ug/well) were treated with 1 uM concentrations of agonist (cyclosin) and probed with PGF2α Receptor (FP) pAb (1:250 to 1:2000 of a 1ug/ul stock solution) by ELISA. Data from vehicle treated cells were taken as 100%. Results are the mean $\pm$ SEM (n=4).



WB (Western Blot)

Western blot analysis of MW marker (1) and 25ug rat kidney extract (2), probed with PGF2α Receptor (FP) pAb.

ADDITIONAL INFORMATION

Related Product Information for anti-Ptgfr antibody	Arachidonic acid is converted by cyclooxygenase (COX) to prostaglandin H2 (PGH2), which is further converted to the derivative prostanoids PGD2, PGE2, PGF2alpha, PGI2 (prostacyclin) and thromboxane A2 (TXA2). Five classes of prostanoid receptors are recognized and named DP, EP, FP, IP and TP receptors corresponding to the agonist properties of the associated prostanoids. FP receptors are found in smooth muscle where they mediate contraction, and are believed to be coupled via Gq/11 subunits to stimulate phosphatidyl inositol (PI) hydrolysis. The FP agonist Fluprostenol (a PGF2alpha analogue) is used in animal husbandry to synchronize oestrus and induce parturition. FP receptors are known to mediate intraocular pressure, and FP agonists such as latanoprost and travoprost are drugs commonly use to treat glaucoma.
Product Categories/Family for anti-Ptgfr antibody	Cellular Analysis; Cell Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981436
NCBI GeneID	25652
NCBI Accession #	NP_037247.1
NCBI GenBank Nucleotide #	NM_013115.1
UniProt Accession #	P43118; Q62787
NCBI Official Full Name	prostaglandin F2-alpha receptor
NCBI Official Synonym Full Names	prostaglandin F receptor
NCBI Official Symbol	Ptgfr
NCBI Official Synonym Symbols	PF2AR
NCBI Protein Information	prostaglandin F2-alpha receptor; PGF receptor; PGF2 alpha receptor; PGF2-alpha receptor; prostanoid FP receptor
UniProt Protein Name	Prostaglandin F2-alpha receptor
UniProt Gene Name	Ptgfr
UniProt Synonym Gene Names	PGF receptor; PGF2-alpha receptor
UniProt Entry Name	PF2R_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pgf2alpha-antibody-western-blot-immunohistochemistry-elisa/77031>