SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PTGFR antibody

Catalog Number: SL11411R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PTGFR
Immunogen:	KLH conjugated synthetic peptide derived from human PTGFR: 1-50/359 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Dog, Horse, Rabbit)
Predicted MW.:	40kDa
Subcellular Location:	The cell membrane
Background:	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. [provided by RefSeq, Jul 2008] **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. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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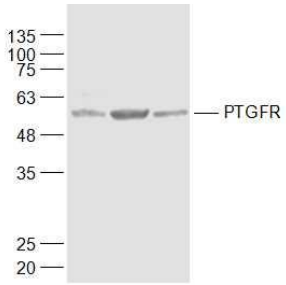
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	Entrez Gene: 5737 Human Omim: 600563 Human **SwissProt:** P43088 Human **Unigene:** 654365 Human

[VALIDATION IMAGES]



Sample:
MCF-7(Human) Cell Lysate at 30 ug
NIH/3T3(Mouse) Cell Lysate at 30 ug
HepG2(Human) Cell Lysate at 30 ug
Primary: Anti-PTGFR (SL11411R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 55 kD

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