

## Anti-PTGFR Polyclonal Antibody 2

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Dog,Horse,Rabbit)
Molecular Weight:	Theoretical: 40 kDa. Actual: 50 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Protein: U2os (human) lysates at 40 µg; Primary: Anti-PTGFR (TMAB-11902) at 1:300; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; ECL excited the fluorescence; Predicted band size: 40 kD Observed band size: 50 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PTGFR
Antigen Species:	Human
Gene ID:	5737
Uniprot ID:	P43088

## Research 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]

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