

## Anti-PTGFR Polyclonal Antibody

## Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Human, Mouse (predicted: Rat, Dog, Horse, Rabbit) |
| Molecular Weight: | Theoretical: 40 kDa. Actual: 55 kDa.              |
| Purification:     | Protein A purified                                |

## Applications

|                    |  |
|--------------------|--|
| Sample:            | MCF-7 (Human) Cell Lysate at 30 µg<br>NIH/3T3 (Mouse) Cell Lysate at 30 µg<br>HepG2 (Human) Cell Lysate at 30 µg   |
| Verified Activity: | Primary: Anti-PTGFR (TMAB-11903) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 40 kD<br>Observed band size: 55 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 F<sub>2</sub>-alpha (PGF<sub>2</sub>-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 PGF<sub>2</sub>-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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