

Product datasheet

Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844] ab126709

Recombinant RabMAb

[2 References](#) [3 Images](#)

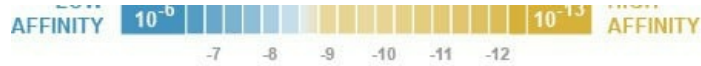
Overview

Product name	Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844]
Description	Rabbit monoclonal [EPR5844] to Prostaglandin F2 alpha Receptor/PTGFR
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Prostaglandin F2 alpha Receptor/PTGFR aa 300-400 (C terminal). Database link: P43088
Positive control	MCF7 and T47D cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 6.80 x 10 ⁻¹¹ M





[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5844
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126709 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

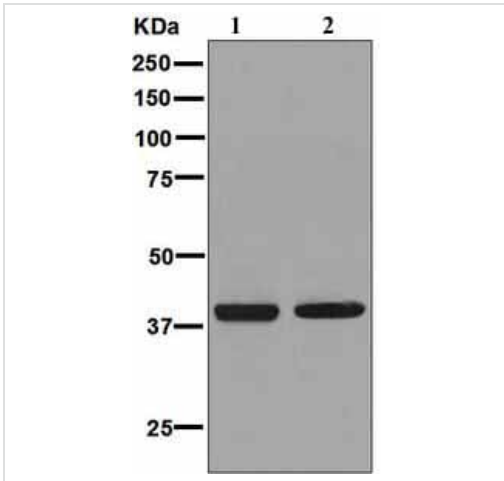
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

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.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Cellular localization	Cell membrane.

Images



Western blot - Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844] (ab126709)

All lanes : Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844] (ab126709) at 1/1000 dilution

Lane 1 : MCF7 cell lysate

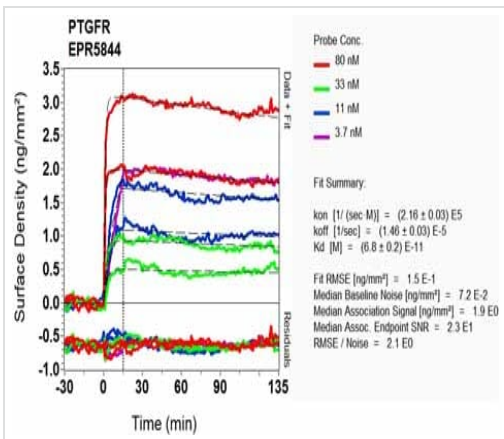
Lane 2 : T47D cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 40 kDa



OIR-D Scanning - Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844] (ab126709)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Prostaglandin F2 alpha Receptor/PTGFR antibody [EPR5844] (ab126709)

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