

Datasheet for ABIN7043565
anti-PTGFR antibody (3rd Intracellular Loop)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	PTGFR
Binding Specificity:	3rd Intracellular Loop, AA 233-246
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RSQQHRQGRSHLE, corresponding to amino acid residues 233 - 246 of rat Prostaglandin F2-alpha Receptor
Isotype:	IgG
Characteristics:	Anti-Prostaglandin F2-α Receptor/PTGFR Antibody (ABIN7043565, ABIN7045120 and ABIN7045121)) is a highly selective antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize PTGFR from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	PTGFR
---------	-------

Target Details

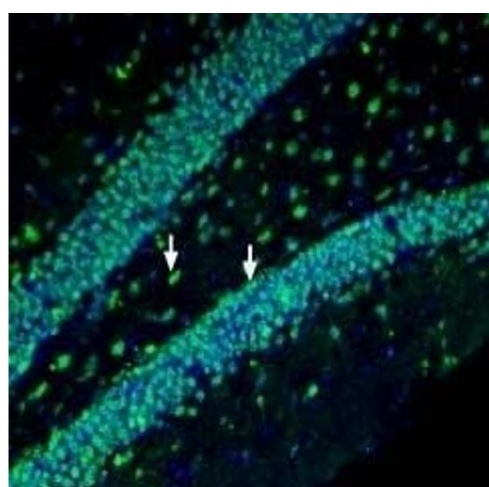
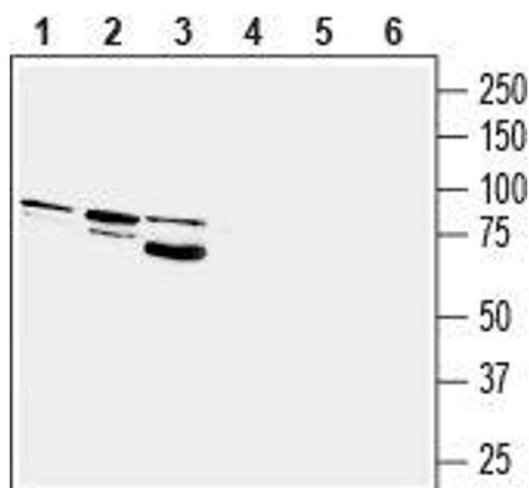
Alternative Name:	Prostaglandin F2-alpha Receptor/PTGFR (PTGFR Products)
Background:	Alternative names: Prostaglandin F2-alpha Receptor, PTGFR, Prostaglandin F receptor, Prostanoid FP receptor, PGF2-alpha receptor
Gene ID:	29602
NCBI Accession:	NM_000959
UniProt:	P43118

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 4), mouse brain (lanes 2 and 5) and human U-87 MG glioblastoma cell line (lanes 3 and 6) lysates: - 1-3. Anti-Prostaglandin F2- α Receptor/PTGFR Antibody (ABIN7043565, ABIN7045120 and ABIN7045121), (1:200). 4-6. Anti-Prostaglandin F2- α Receptor/PTGFR Antibody, preincubated with Prostaglandin F2- α Receptor/PTGFR Blocking Peptide (#BLP-PR067).

Immunohistochemistry

Image 2. Expression of Prostaglandin F2-alpha receptor in mouse hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Prostaglandin F2- α Receptor/PTGFR Antibody (ABIN7043565, ABIN7045120 and ABIN7045121) (1:200), followed by goat anti-rabbit-AlexaFluor-488. PTGFR staining (green) in mouse hippocampal dentate gyrus is detected in cell bodies (arrows). Cell nuclei are stained with DAPI (blue). Mouse brain hippocampal dentate gyrus sections were obtained two hours following kainate acid intraventricular injection.