

Datasheet for ABIN7164858
anti-PTGER4 antibody (AA 354-472)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	PTGER4
Binding Specificity:	AA 354-472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGER4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Prostaglandin E2 receptor EP4 subtype protein (354-472AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	PTGER4
Alternative Name:	PTGER4 (PTGER4 Products)
Background:	Background: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May

Target Details

play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Aliases: EP 4 antibody, EP4 antibody, EP4R antibody, MGC126583 antibody, PE2R4_HUMAN antibody, PGE receptor EP4 subtype antibody, PGE2 receptor EP4 subtype antibody, Prostaglandin E receptor 4 antibody, Prostaglandin E receptor 4 subtype EP4 antibody, Prostaglandin E2 receptor antibody, Prostaglandin E2 receptor EP4 subtype antibody, Prostanoid EP4 receptor antibody, PTGER 2 antibody, PTGER 4 antibody, PTGER2 antibody, PTGER4 antibody

UniProt: [P35408](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

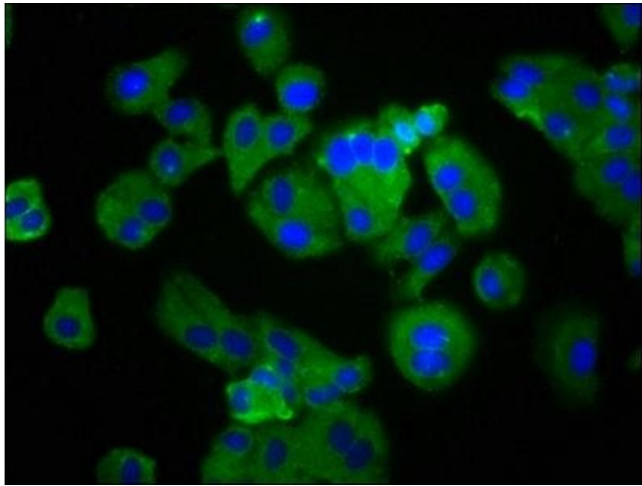
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

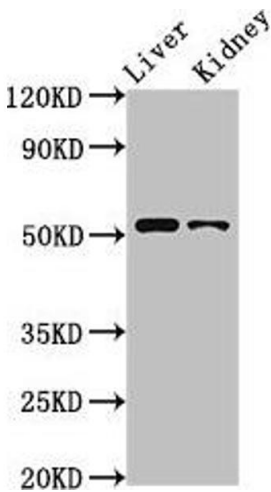
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7164858 at 1:133, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat liver tissue, Rat kidney tissue All lanes: PTGER4 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 54 kDa Observed band size: 54 kDa