

Recombinant Anti-EP2 Rabbit mAb

Catalog # AP95064

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P43116
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	39761

Additional Information

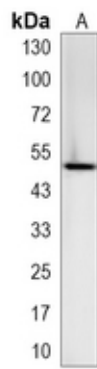
Gene ID	5732
Other Names	Prostaglandin E2 receptor EP2 subtype; PGE receptor EP2 subtype; PGE2 receptor EP2 subtype; Prostanoid EP2 receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human EP2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

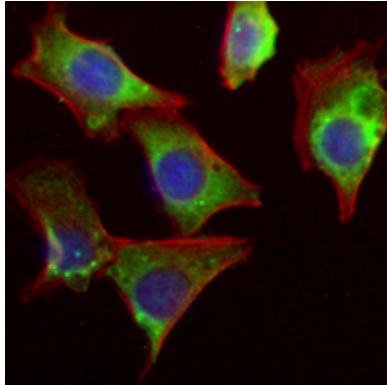
Name	PTGER2
Function	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Placenta and lung.

Images

Western blot analysis of EP2 expression in JAR (A) whole cell lysates. (Predicted band size: 40 kD; Observed band



size: 52 kD)



Immunofluorescent analysis of EP2 staining in JAR cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.