

# PGE receptor EP2 (PTGER2) Rabbit mAb

Catalog No.: A9053 **Recombinant**

## Basic Information

### Observed MW

52kDa

### Calculated MW

40kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC1393

## Background

This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

5732

### Swiss Prot

P43116

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 259-358 of human PGE receptor EP2 (PTGER2) (P43116).

### Synonyms

EP2; PGE receptor EP2 (PTGER2)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

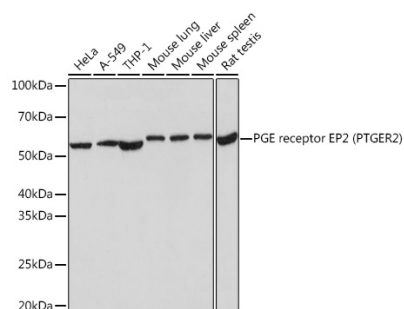
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using PGE Receptor EP2 (PGE Receptor EP2 (PGE receptor EP2 (PTGER2))) Rabbit mAb (A9053) at 1:1000 dilution.

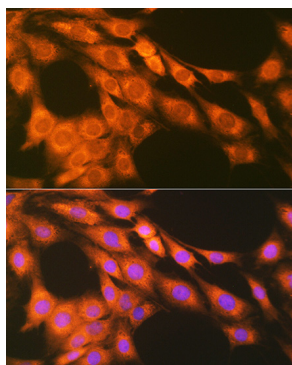
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

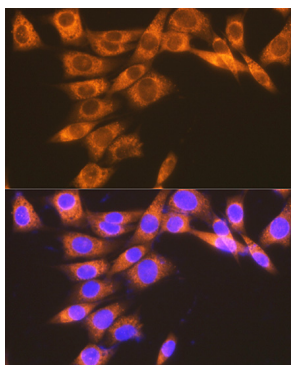
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

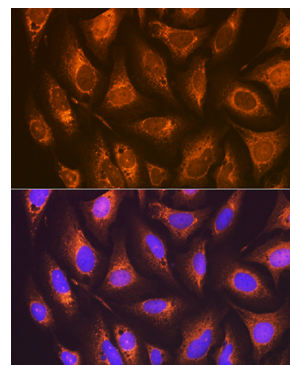
Exposure time: 3s.



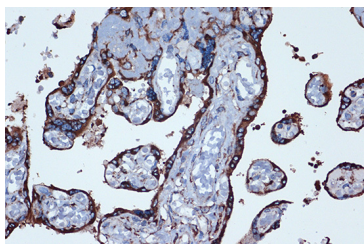
Immunofluorescence analysis of C6 cells using PGE Receptor EP2 (PGE Receptor EP2 (PGE receptor EP2 (PTGER2))) Rabbit mAb (A9053) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using PGE Receptor EP2 (PGE Receptor EP2 (PGE receptor EP2 (PTGER2))) Rabbit mAb (A9053) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using PGE Receptor EP2 (PGE Receptor EP2 (PGE receptor EP2 (PTGER2))) Rabbit mAb (A9053) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using PGE Receptor EP2 (PGE Receptor EP2 (PGE receptor EP2 (PTGER2))) Rabbit mAb (A9053) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.