

# P23/PTGES3 Rabbit mAb

Catalog No.: A5194

Recombinant

2 Publications

## Basic Information

### Observed MW

23kDa

### Calculated MW

19kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC1986

## Background

This gene encodes an enzyme that converts prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). This protein functions as a co-chaperone with heat shock protein 90 (HSP90), localizing to response elements in DNA and disrupting transcriptional activation complexes. Alternative splicing results in multiple transcript variants. There are multiple pseudogenes of this gene on several different chromosomes.

## Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

10728

### Swiss Prot

Q15185

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human P23/PTGES3 (NP\_006592.3).

### Synonyms

P23; TEBP; cPGES; P23/PTGES3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

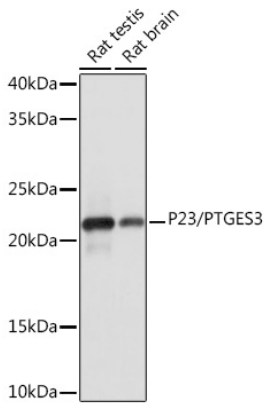
Affinity purification

### 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 extracts of various cell lines, using P23/PTGES3 Rabbit mAb (A5194) at 1:1000 dilution.

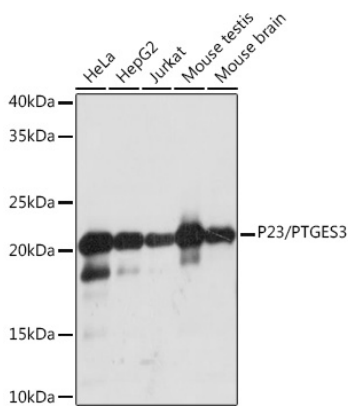
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Western blot analysis of extracts of various cell lines, using P23/PTGES3 Rabbit mAb (A5194) at 1:1000 dilution.

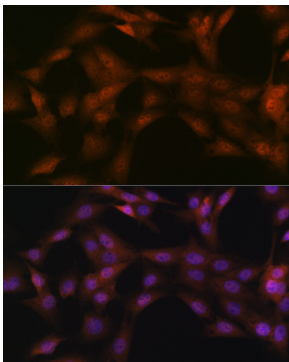
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

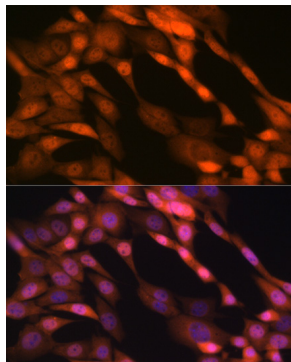
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

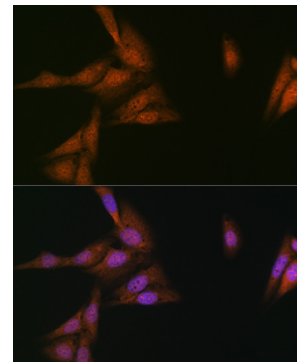
Exposure time: 3s.



Immunofluorescence analysis of C6 cells using P23/PTGES3 Rabbit mAb (A5194) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using P23/PTGES3 Rabbit mAb (A5194) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using P23/PTGES3 Rabbit mAb (A5194) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.