

# Osteopontin Rabbit pAb

Catalog No.: A1499

14 Publications

## Basic Information

### Observed MW

### Calculated MW

35kDa

### Category

Primary antibody

### Applications

WB,IF,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

6696

### Swiss Prot

P10451

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 106-205 of human Osteopontin (NP\_001035147.1).

### Synonyms

OPN; BNSP; BSPI; ETA-1; Osteopontin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

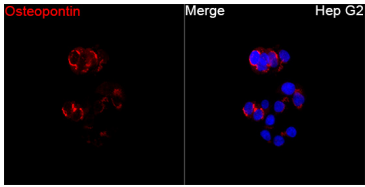
### Storage

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

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Immunofluorescence analysis of Hep G2 cells using Osteopontin Rabbit pAb (A1499) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.