

Osteopontin Rabbit pAb

Catalog No.: A1499

14 Publications

Basic Information

Observed MW

37kDa

Calculated MW

35kDa

Category

Primary antibody

Applications

ELISA, WB, IF

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

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

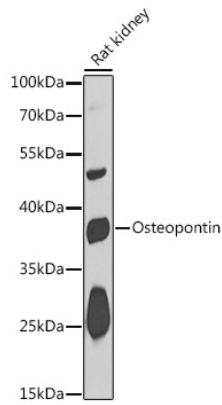
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from Rat kidney, using Osteopontin Rabbit pAb (A1499) at 1:1000 dilution.

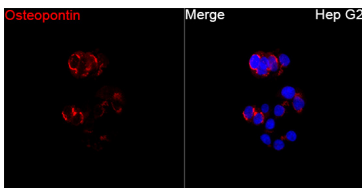
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 15s.



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.