

Osteopontin/OPN/SPP1 Rabbit pAb

Catalog No.: A23658

2 Publications

Basic Information

Observed MW

58-75 kDa

Calculated MW

32 kDa

Category

Primary antibody

Applications

WB, IF-P, ELISA

Cross-Reactivity

Mouse

Background

Enables extracellular matrix binding activity. Acts upstream of or within several processes, including cellular ion homeostasis; cellular response to leukemia inhibitory factor; and neutrophil chemotaxis. Located in apical part of cell and cytoplasm. Is expressed in several structures, including alimentary system; brain; metanephros; reproductive system; and skeleton. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); biliary atresia; coronary artery disease (multiple); disease of cellular proliferation (multiple); and hepatitis. Orthologous to human SPP1 (secreted phosphoprotein 1).

Recommended Dilutions

WB 1:500 - 1:5000

IF-P 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

20750

Swiss Prot

P10923

Immunogen

This information is considered to be commercially sensitive.

Synonyms

OP; 2AR; Bsp; Eta; Opn; Ric; BNSP; BSPI; Opnl; Apl-1; ETA-1; Spp-1; Osteopontin/OPN/SPP1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

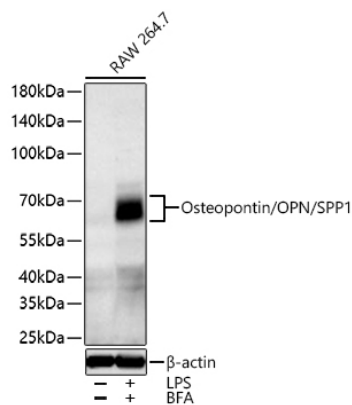
Purification

Affinity purification

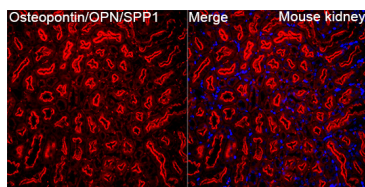
Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using Osteopontin/OPN/SPP1 Rabbit pAb (A23658) at 1:1000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (100 ng/mL) at 37°C for 6 hours and BFA (300 ng/mL) at 37°C for 3 hours after serum starvation for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



Immunofluorescence analysis of paraffin-embedded Mouse kidney tissue using Osteopontin/OPN/SPP1 Rabbit pAb (A23658) 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. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.