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Research Use Only. Not for diagnostic or therapeutic use.

EB06825 - Goat Anti-Osteopontin / SPP1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SPP1, HGNC:11255, secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1), BNSP, BSPI, ETA-1, MGC110940, OPN, Secreted phosphoprotein-1 (osteopontin, bone sialoprotein), secreted phosphoprotein 1, SPP1/CALPHA1 fusion, bone sialoprotein I, early T-lymphocyte activation 1, osteopontin, osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein

Official Symbol: SPP1

Accession Number(s): NP_001035147.1; NP_000573.1; NP_001035149.1

Human GeneID(s): 6696

Non-Human GeneID(s): 20750 (mouse)

Immunogen

Peptide with sequence C-DPKSKEEDKHLK, from the C Terminus of the protein sequence according to NP_001035147.1; NP_000573.1; NP_001035149.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

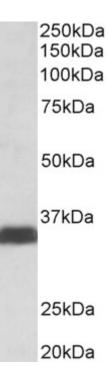
Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 35kDa band observed in lysates of cell line MOLT4. This band corresponds to the cleavage product from the 60kDa glycoprotein (calculated MW of 33.8kDa according to NP_000573.1). Recommended concentration: 0.1-0.3μg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog



EB06825 (0.1 μ g/ml) staining of lysates of cell line MOLT4 (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.