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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 60kDa band observed in lysates of Human Tonsil and lysates of cell line MOLT4 and Jurkat (calculated MW of 33.8kDa according to NP_000573.1). The observed molecular weight corresponds to earlier findings in literature (Singh et al, J Biol Chem. 1995 Nov 24;270(47):28471-8; PMID: 7499354). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse for this particular batch.

Species Reactivity

Tested: Human

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

EB06825 (0.5µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06825 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**