

Product datasheet for **TA364320**

Osteopontin (SPP1) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA |
| Recommended Dilution: | This antibody has been tested and validated in ELISA against Osteopontin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Formulation: | Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. |
| Concentration: | N/A |
| Conjugation: | Unconjugated |
| Storage: | Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below. |
| Gene Name: | secreted phosphoprotein 1 |
| Database Link: | Entrez Gene 6696 Human P10451 |
| Background: | Osteopontin (OPN) is a protein that in humans is encoded by the SPP1 gene (secreted phosphoprotein 1). It is a Sibling (glycoprotein) that was first identified in 1986 in osteoblasts. Osteopontin is biosynthesized by a variety of tissue types including cardiac fibroblasts, preosteoblasts, osteoblasts, osteocytes, odontoblasts, some bone marrow cells, hypertrophic chondrocytes, dendritic cells, macrophages, smooth muscle, skeletal muscle myoblasts, endothelial cells, and extraosseous (non-bone) cells in the inner ear, brain, kidney, deciduum, and placenta. Synthesis of osteopontin is stimulated by calcitriol (1,25-dihydroxy- vitamin D3). This antibody was generated by immunization of rabbits with Osteopontin coupled to a carrier protein. |
| Synonyms: | BNSP; BSPI; ETA-1; MGC110940; Nephropontin; OPN; osteopontin; SPP-1; Uropontin |



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