



BMA BIOMEDICALS



Peninsula Laboratories

T-4816

Rabbit anti Osteopontin (human) [UniProt: Q3LGB0]

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	021804
Host species:	Rabbit IgG
Quantity:	400µg
Format:	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.
Stability:	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.
Applications:	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. Please see www.bma.ch for protocols and general information.

Cross-Reactivity:

PEPTIDE:	%:
Osteopontin 170-187 (human)	100
recombinant human Osteopontin (OPN)	25
Osteopontin 164-179 (human)	0
Osteopontin 59-74 (human)	0
Osteopontin (mouse)	0

Related Products: T-4815: Rabbit anti Osteopontin (hu), neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4816

rabbit IgG

1.3.2021