T-4815

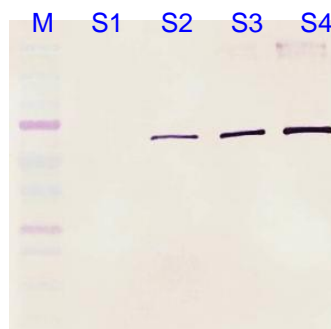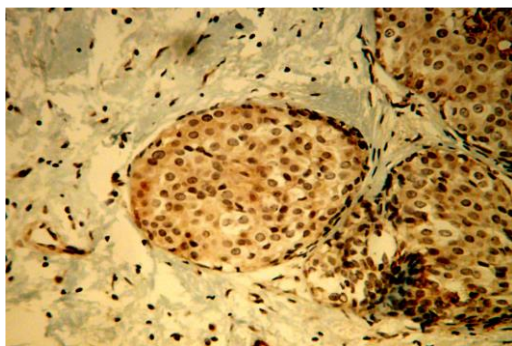## Rabbit anti Osteopontin (human) [UniProt: Q3LGB0]

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: A01410

Host species: Rabbit IgG

Quantity: 50µl

Format: Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.

Stability: Original vial: at least one year at 4º - 8ºC from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20ºC 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.

M S1 S2 S3 S4

Tissues used: human breast tumor (invasive ductal
                carcinoma)
Dilution: 1:16,000
Incubation time:Overnight at 4°C
Pre-treatment: 0.01M citrate buffer pH 6.0

Related Products: T-4816: Rabbit anti Osteopontin (hu), purified IgG

This product contains no 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-4815   neat serum   1.3.2021