



BMA BIOMEDICALS



Peninsula Laboratories

T-4743

Rabbit anti Osteocalcin (human) [UniProt: P84351]

Osteocalcin, also known as bone gamma-carboxyglutamic acid-containing protein (BGLAP), is a 49-amino acid non-collagenous protein hormone found in bone and dentin, first identified as a calcium-binding protein in chick bone. Because osteocalcin has gla domains, its synthesis is vitamin K dependent. Osteocalcin is secreted solely by osteoblasts and thought to play a role in the body's metabolic regulation. In its carboxylated form it binds calcium directly and thus concentrates in bone.

This antibody was generated by immunization of rabbits with Osteocalcin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17722
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 Osteocalcin. 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.
Immunogen:	Synthetic peptide H-Tyr-Leu-Tyr-Gln-Trp-leu-Gly-Ala-Pro-Val-Pro-Tyr-Pro-Asp-Pro-Leu-Glu-Pro-Arg-Arg-Glu-Val-Cys-Glu-Leu-Asn-Pro-Asp-Cys-Asp-OH coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Osteocalcin (1-49) (human)	100
Osteocalcin (7-19) (human)	0
Osteocalcin (37-49) (human)	0
Osteogenic Growth peptide	0
Osteostatin 0	

Related Products: T-4744: Rabbit anti Osteocalcin (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.

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rabbit IgG

1.3.2021