

## Product datasheet for **TA364266**

### Osteocalcin (BGLAP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	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.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
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.
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:	bone gamma-carboxyglutamate protein
Database Link:	<a href="#">Entrez Gene 632 Human P84351</a>
Background:	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.
Synonyms:	BGP; OC; osteocalcin; PMF1



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