



# Goat Anti-Mouse BGLAP2 Polyclonal antibody (CPBT-67999GM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Product Overview** Goat anti mouse osteocalcin antibody is specific for intact osteocalcin and recognizes a site at the carboxyl terminal. Osteocalcin (Bone Gla Protein) is a 49 amino acid single chain vitamin K dependent protein (MW 5.8 kDa), made by osteoblasts that is a major component of the non-collagenous bone matrix. Serum osteocalcin is elevated in diseases characterized by increased bone turnover such as osteoporosis, hyperparathyroidism and Paget's disease, and low in conditions associated with low bone turnover such as hypoparathyroidism and growth hormone deficiency.

<b>Specificity</b>	BGLAP2
<b>Immunogen</b>	Highly purified native mouse osteocalcin.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; IF
<b>Format</b>	Serum - liquid
<b>Size</b>	100 µl
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">Bglap2 bone gamma-carboxyglutamate protein 2 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	Bglap2
<b>Synonyms</b>	BGLAP2; bone gamma-carboxyglutamate protein 2; Bgp; Og2; BGP2; mOC-B; Bglap1; osteocalcin-2; bone Gla protein 2; gamma-carboxyglutamic acid-containing protein 2;
<b>Entrez Gene ID</b>	<a href="#">12097</a>
<b>Protein Refseq</b>	<a href="#">NP_001027469.2</a>
<b>UniProt ID</b>	P86547
<b>Chromosome Location</b>	3 F1; 3 38.81 cM
<b>Pathway</b>	Osteoblast
<b>Function</b>	calcium ion binding; hydroxyapatite binding; metal ion binding; structural constituent of bone