BGLAP Polyclonal Antibody

catalog number: **E-AB-70096**

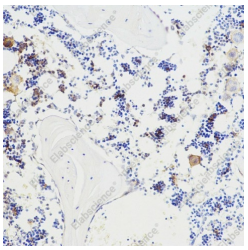
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

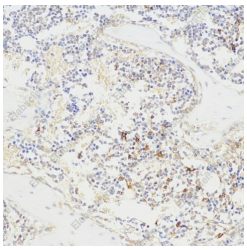
Reactivity	Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse Osteocalcin
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
IHC	1:100-1:500

Data



Immunohistochemistry analysis of paraffin-embedded mouse bone using BGLAP Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry analysis of paraffin-embedded rat bone using BGLAP Polyclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Bone gamma-carboxyglutamic acid (Gla) protein, known as BGLAP, BGP or osteocalcin, is an abundant, non-collagenous protein component of bone that is produced by osteoblasts.In mice, osteocalcin is composed of a cluster of 3 genes known as OG1, OG2 and ORG, all of which can be found within a 23Kb span of genomic DNA.Human osteocalcin is a highly conserved, 46-50 amino acid, single chain protein that contains three vitamin K-dependent g-carboxyglutamic acid residues.Osteocalcin appears transiently in embryonic bone at the time of mineral deposition, where it binds to hydroxyapatite in a calcium-dependent manner.

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