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Datasheet for ABIN7269118
anti-Osteocalcin antibody

2 Images

Overview

Quantity:	100 µL
Target:	Osteocalcin (BGLAP)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Osteocalcin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Osteocalcin (BGLAP) Rabbit mAb
Immunogen:	Recombinant protein of human BGLAP.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Osteocalcin (BGLAP)
Alternative Name:	BGLAP (BGLAP Products)
Background:	This gene encodes a highly abundant bone protein secreted by osteoblasts that regulates bone

Target Details

remodeling and energy metabolism. The encoded protein contains a Gla (gamma carboxyglutamate) domain, which functions in binding to calcium and hydroxyapatite, the mineral component of bone. Serum osteocalcin levels may be negatively correlated with metabolic syndrome. Read-through transcription exists between this gene and the neighboring upstream gene, PMF1 (polyamine-modulated factor 1), but the encoded protein only shows sequence identity with the upstream gene product.,BGLAP,BGP,OC,OCN,osteocalcin,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,Stem Cells,Mesenchymal Stem Cells,BGLAP

Molecular Weight: 11kDa

Gene ID: 632

UniProt: [P02818](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

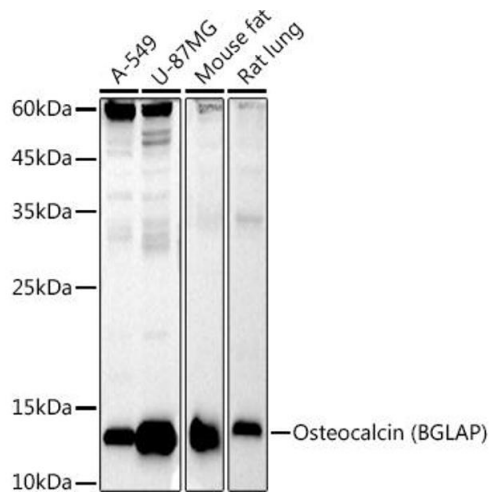
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

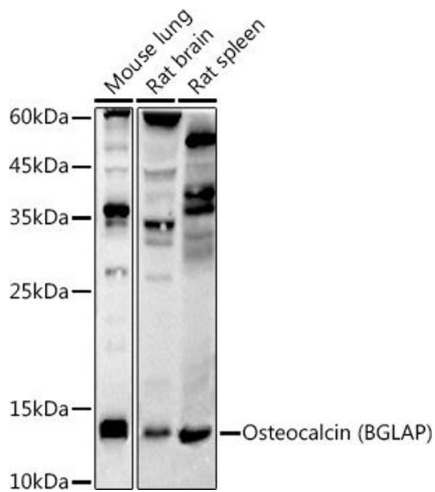
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Osteocalcin (BGLAP) antibody (ABIN7269118) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Osteocalcin (BGLAP) antibody (ABIN7269118) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.