

BGLAP Rabbit Polyclonal Antibody

Catalog No: #29697

Package Size: #29697-1 50ul #29697-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

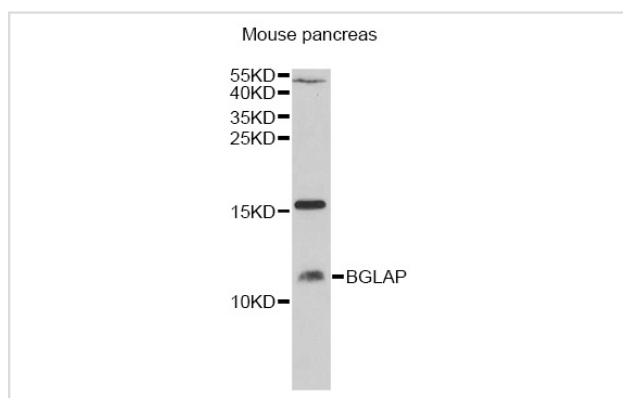
Description

Product Name	BGLAP Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human BGLAP (NP_954642.1).
Conjugates	Unconjugated
Other Names	BGLAP;BGP;OC;OCN;osteocalcin
Accession No.	Swiss Prot:P02818GenelD:632
Calculated MW	11kDa
SDS-PAGE MW	11kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

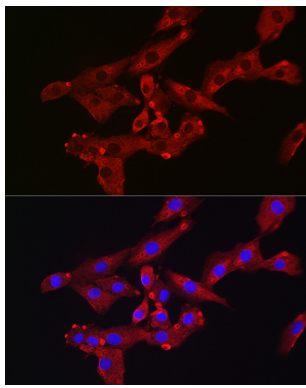
Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of mouse pancreas, using BGLAP at 1:1000 dilution.



Immunofluorescence analysis of MG-63 cells using BGLAP Rabbit pAb at dilution of 1:200. Blue: DAPI for nuclear staining.

Background

This gene encodes a highly abundant bone protein secreted by osteoblasts that regulates bone 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.

Published Papers

Xiang Gao;Jirong Yang;Lingna Liu;Zilong Hu;Rui Lin;Lan Tang;Mei Yu;Zhiping Chen;Chongjian Gao;Min Zhang;Li Li;Changshun Ruan;Yanzhi Liu et al., An electrostatic encapsulation strategy to motivate 3D-printed polyelectrolyte scaffolds for repair of osteoporotic bone defects., , (2025)

[PMID:39719966](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.