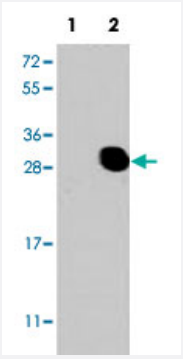
BGLAP polyclonal antibody

Catalog # PAB3924 Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of BGLAP (arrow) using BGLAP polyclonal antibody (Cat # PAB3924).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BGLAP gene (Lane 2).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BGLAP polyclonal antibody (Cat # PAB3924) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BGLAP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human BGLAP.
Host	Rabbit
Reactivity	Human
Form	Liquid

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — BGLAP

Entrez GeneID	632
Protein Accession#	NP_000702
Gene Name	BGLAP
Gene Alias	BGP, OC, PMF1
Gene Description	bone gamma-carboxyglutamate (gla) protein
Omim ID	112260
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000016586|bone Gla protein|bone gamma-carboxyglutamate (gla) protein (osteocal cin)|gamma-carboxyglutamic acid-containing protein|osteocalcin

Publication Reference

- Association of polymorphisms of interleukin-6, osteocalcin, and vitamin D receptor genes, alone or in combination, with bone mineral density in community-dwelling Japanese women and men.

  Yamada Y, Ando F, Niino N, Shimokata H.

  The Journal of Clinical Endocrinology and Metabolism 2003 Jul; 88(7):3372.

- Telomerase accelerates osteogenesis of bone marrow stromal stem cells by upregulation of CBFA1, osterix, and osteocalcin.

  Gronthos S, Chen S, Wang CY, Robey PG, Shi S.

  Journal of Bone and Mineral Research 2003 Apr; 18(4):716.

  Application: WB, Human, Human bone marrow stromal stem cells

- TWIST inactivation reduces CBFA1/RUNX2 expression and DNA binding to the osteocalcin promoter in osteoblasts.

  Yousfi M, Lasmoles F, Marie PJ.

  Biochemical and Biophysical Research Communications 2002 Sep; 297(3):641.

Disease

- Alzheimer disease
- Body Weight
- Bone Diseases
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Fluorosis
- Fractures
- Genetic Predisposition to Disease
- Hypertension
- Insulin Resistance

- Metabolic Syndrome X
- Neoplasms
- Osteonecrosis
- Osteoporosis
- Prostate cancer
- Prostatic Neoplasms
- Urinary Calculi