

BGLAP Antibody (C-term C80)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14785b

Product Information

Application	WB, E
Primary Accession	P02818
Other Accession	P40147 , P02819 , P02820 , NP_954642.1
Reactivity	Human
Predicted	Bovine, Monkey, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB04510
Calculated MW	10963
Antigen Region	66-100

Additional Information

Gene ID	632
Other Names	Osteocalcin, Bone Gla protein, BGP, Gamma-carboxyglutamic acid-containing protein, BGLAP
Target/Specificity	This BGLAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-100 amino acids from the C-terminal region of human BGLAP.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BGLAP Antibody (C-term C80) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BGLAP
Function	Bone protein that constitutes 1-2% of the total bone protein, and which acts as a negative regulator of bone formation (PubMed: 3019668 ,

PubMed:[6967872](#)). Functions to limit bone formation without impairing bone resorption or mineralization (By similarity). It binds strongly to apatite and calcium (PubMed:[6967872](#)).

Cellular Location

Secreted.

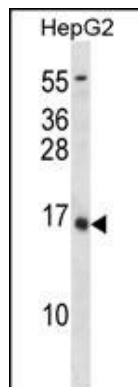
Background

Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.

References

Yeap, B.B., et al. Eur. J. Endocrinol. 163(2):265-272(2010)
Lee, Y.J., et al. Diabetes Care 33 (7), E90 (2010) :
Foresta, C., et al. J. Clin. Endocrinol. Metab. 95(7):3502-3506(2010)
Saleem, U., et al. Arterioscler. Thromb. Vasc. Biol. 30(7):1474-1478(2010)
Das, S.K., et al. Dis. Markers 28(5):281-286(2010)

Images



BGLAP Antibody (C80) (Cat. #AP14785b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the BGLAP antibody detected the BGLAP protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.