

Rabbit anti-Human Osteocalcin Polyclonal Antibody | anti-BGLAP antibody

Osteocalcin Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163020	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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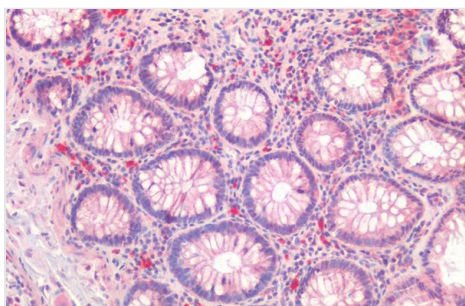
PRODUCT SYNONYMS

Osteocalcin; Polyclonal Antibody; Osteocalcin Rabbit anti-Human Polyclonal Antibody; PathPlus Osteocalcin Antibody; BGLAP; Bone Gla protein; BGP; OC; anti-BGLAP antibody

PRODUCT SPECIFICATIONS

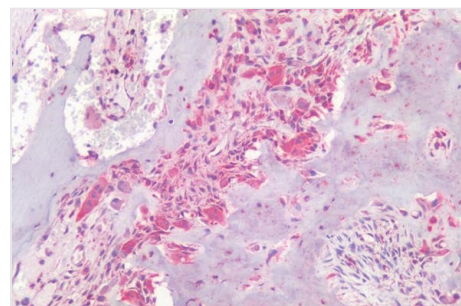
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BGLAP antibody	IHC (Immunohistochemistry)
Target	Human Osteocalcin
Immunogen	LP-11002, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



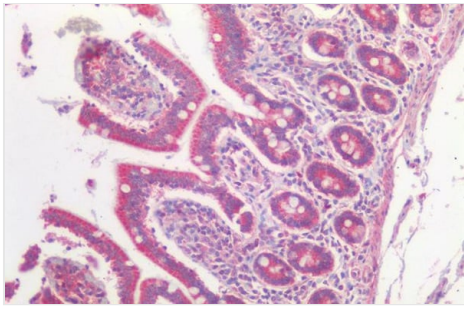
IHC (Immunohistochemistry)

Osteocalcin Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



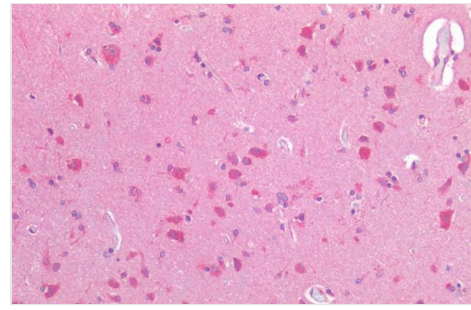
IHC (Immunohistochemistry)

Osteocalcin Antibody-Human Osteoblastoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

Osteocalcin Antibody-Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

Osteocalcin Antibody-Human Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-BGLAP antibody	Osteocalcin antibody is an unconjugated rabbit polyclonal antibody to Osteocalcin from human. Validated for IHC. BGLAP (Osteocalcin) is a protein secreted by osteoblasts that functions in metabolic regulation. It is pro-osteoblastic (bone-building) and is involved in bone mineralization and calcium ion homeostasis. Osteocalcin functions as a hormone that induces beta cells in the pancreas to release more insulin. It also directs fat cells to release adiponectin, thus increasing sensitivity to insulin. It enhances testosterone synthesis and is involved in male fertility. It is thought to promote growth and invasion in pancreatic cancer cells, and additionally some genetic BGLAP variants are associated with increased risk for hepatitis B virus-related hepatocellular carcinoma. In immunohistochemistry, BGLAP has secretory and extracellular positivity in the myometrium, brain, gastrointestinal tract, liver, pancreas, muscle and at low to variable levels in other tissues throughout the body.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; Mol Cancer. 2007 Dec 28;6:83, PMID: 18163903; PLoS One. 2015 Jan 14;10(1):e0116479, PMID: 25587715

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316933
NCBI GeneID	632
NCBI Accession #	NP_954642.1 ; BG752923
NCBI GenBank Nucleotide #	NM_199173.4
UniProt Accession #	P02818 ; Q5TCK6
Molecular Weight	10,963 Da
NCBI Official Full Name	osteocalcin preproprotein
NCBI Official Synonym Full Names	bone gamma-carboxyglutamate (gla) protein
NCBI Official Symbol	BGLAP
NCBI Official Synonym Symbols	OC; BGP; OCN
NCBI Protein Information	osteocalcin; bone Gla protein; gamma-carboxyglutamic acid-containing protein; bone gamma-carboxyglutamate (gla) protein (osteocalcin)
UniProt Protein Name	Osteocalcin
UniProt Gene Name	BGLAP
UniProt Synonym Gene Names	BGP
UniProt Entry Name	OSTCN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

