

Polyclonal Antibody to Osteocalcin (OC)

Osteocalcin

Catalog # AP74695

Product Information

Application	WB
Primary Accession	P02822
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10707

Additional Information

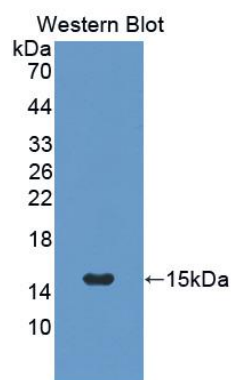
Other Names	BGLAP; OT; BGP; Bone Gla Protein; Bone Gamma-Carboxyglutamate Protein; Gamma-carboxyglutamic acid-containing protein
Target/Specificity	Chicken (Gallus)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL;1:370-1500 Immunohistochemistry: 5-20 μ g/mL;1:37-150 Immunocytochemistry: 5-20 μ g/mL;1:37-150 Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	BGLAP
Function	The carboxylated form is one of the main organic components of the bone matrix, which constitutes 1-2% of the total bone protein (PubMed: 6792200). Acts as a negative regulator of bone formation and is required to limit bone formation without impairing bone resorption or mineralization (By similarity). Binds strongly to apatite and calcium upon gamma-carboxylation; this modification is essential for bone metabolism (By similarity).
Cellular Location	Secreted.

Images

Figure. Western Blot; Sample: Recombinant Osteocalcin, Chicken.



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