

Osteocalcin polyclonal antibody

Catalog: BS7961

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 12 kDa

Swiss-Prot:

P02818

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IF/ICC: 1:50~1:200

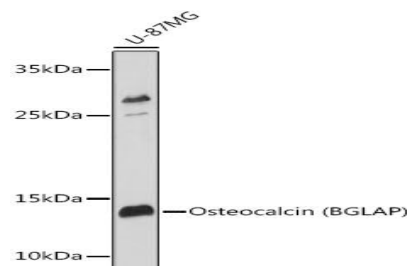
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

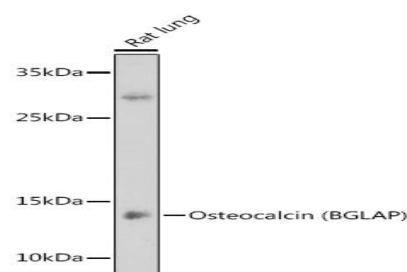
Specificity:

Osteocalcin polyclonal antibody detects endogenous levels of Osteocalcin protein.

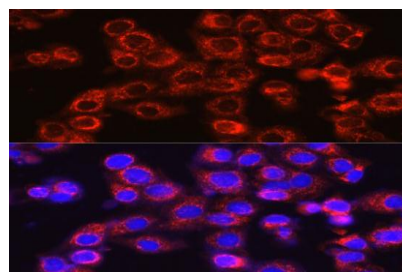
DATA:



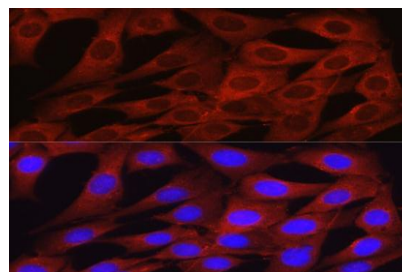
Western blot analysis of extracts of U-87MG cells, using Osteocalcin antibody at 1:1000 dilution.



Western blot analysis of extracts of Rat lung, using Osteocalcin antibody at 1:1000 dilution.



Immunofluorescence analysis of MG-63 cells using Osteocalcin pAb at dilution of 1:200 (40x lens).



Immunofluorescence analysis of NIH/3T3 cells using Osteocalcin pAb at dilution of 1:200 (40x lens).

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PRODUCT DATA SHEET

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Note:

For research use only, not for use in diagnostic procedure.

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