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Datasheet for ABIN7009771  
**anti-Osteocalcin antibody**

4 Images

Overview

|              |  |
|--------------|--|
| Quantity:    | 60 µL  |
| Target:      | Osteocalcin (BGLAP)                            |
| Reactivity:  | Human, Rat, Mouse                              |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal                                     |
| Conjugate:   | This Osteocalcin antibody is un-conjugated     |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

|                  |                                     |
|------------------|-------------------------------------|
| Immunogen:       | Recombinant protein of human BGLAP. |
| Isotype:         | IgG                                 |
| Characteristics: | Polyclonal Antibody                 |
| Purification:    | Affinity purification               |

Target Details

|                   |  |
|-------------------|--|
| Target:           | Osteocalcin (BGLAP)  |
| Alternative Name: | BGLAP ( <a href="#">BGLAP Products</a> )   |
| 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 |

## Target Details

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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.

Molecular Weight: Observed\_MW: 11 kDa  
Calculated\_MW: 11 kDa

Gene ID: 632

UniProt: [P02818](#)

## Application Details

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Application Notes: WB 1:500-1:2000 IF 1:50-1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

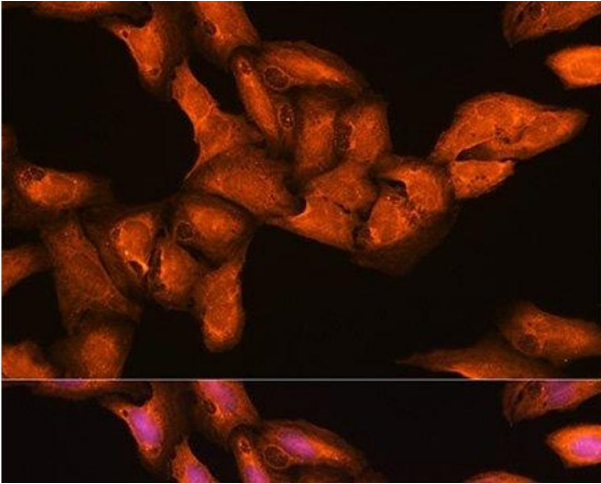
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

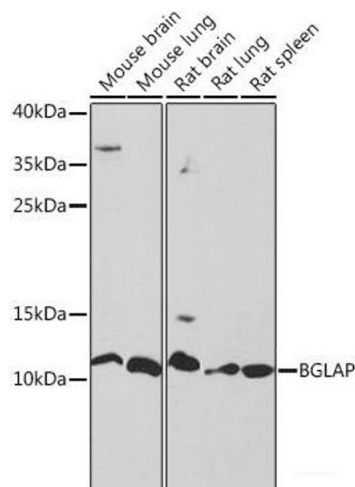
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



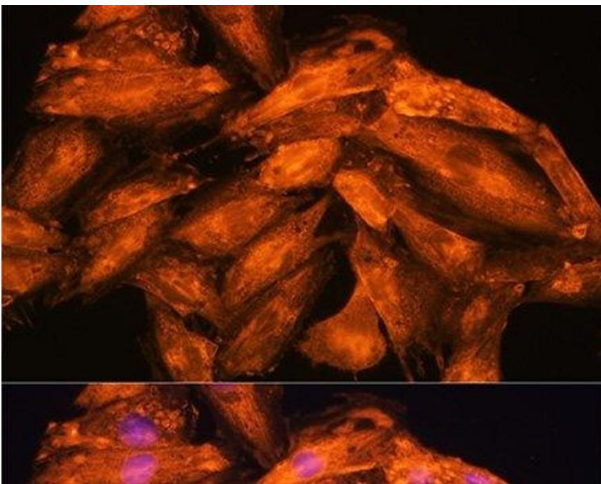
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using BGLAP Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using BGLAP Polyclonal Antibody at dilution of 1:1000.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of H9C2 cells using BGLAP Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7009771.