

# Osteoglycin (OGN) Rabbit pAb

Catalog No.: A6679

## Basic Information

### Observed MW

35kDa/50kDa

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded protein induces ectopic bone formation in conjunction with transforming growth factor beta and may regulate osteoblast differentiation. High expression of the encoded protein may be associated with elevated heart left ventricular mass. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

|               |                 |
|---------------|-----------------|
| <b>WB</b>     | 1:1000 - 1:5000 |
| <b>IHC-P</b>  | 1:100 - 1:200   |
| <b>IF/ICC</b> | 1:50 - 1:200    |

## Immunogen Information

### Gene ID

4969

### Swiss Prot

P20774

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-298 of human Osteoglycin (OGN) (NP\_054776.1).

### Synonyms

OG; OIF; SLRR3A; Osteoglycin (OGN)

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

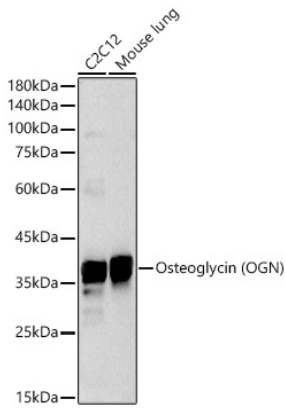
Affinity purification

### Storage

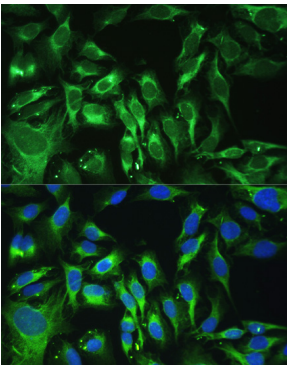
Store at -20°C. Avoid freeze / thaw cycles.

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

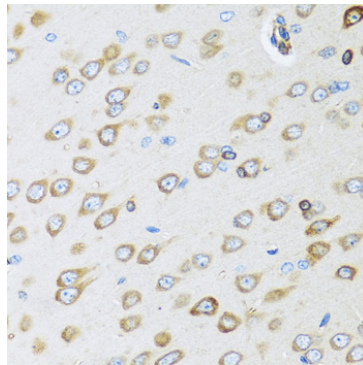
## Validation Data



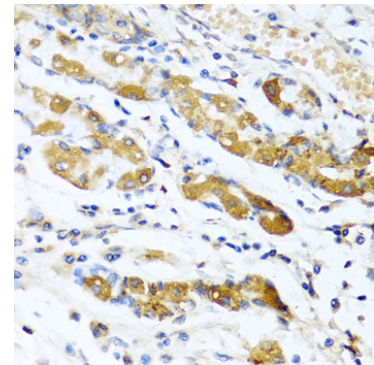
Western blot analysis of various lysates, using Osteoglycin (OGN) Rabbit pAb (A6679) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of U-2 OS cells using Osteoglycin (OGN) Rabbit pAb (A6679) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Osteoglycin (OGN) Rabbit pAb (A6679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human stomach using Osteoglycin (OGN) Rabbit pAb (A6679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.