

Datasheet for ABIN1402533

**anti-OGN antibody (AbBy Fluor® 350)**[Go to Product page](#)

## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | OGN                                                                             |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This OGN antibody is conjugated to AbBy Fluor® 350                              |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human OIF |
| Isotype:          | IgG                                                     |
| Cross-Reactivity: | Human, Mouse, Rat                                       |
| Purification:     | Purified by Protein A.                                  |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | OGN                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | OIF ( <a href="#">OGN Products</a> )                                                                                                                                                                                                                                                                                                               |
| Background:       | <p>Synonyms: Corneal keratan sulfate proteoglycan, MIME_HUMAN, mimecan, Mimecan proteoglycan, OG, OGN, O, osteoglycin, osteoinductive factor, SLRR3A.</p> <p>Background: The small leucine-rich proteoglycan (SLRP) family of proteins contains various proteins such as Decorin, Biglycan, Fibromodulin, Keratocan, Lumican, Osteoadherin and</p> |

## Target Details

Osteoglycin. These proteins all have similar functions as they all mediate extracellular matrix organization and act as binding partners of TGF beta. Osteoglycin, which also may be designated osteoinductive factor (OIF), is a secreted protein detected in bone tissues. Osteoglycin induces the formation of bone in conjunction with either TGF-beta-1 or TGF-beta-2. The precursor form of the OGN gene product, designated Mimecan, is subject to in situ proteolytic cleavage to yield the mature Osteoglycin.

|           |                                                     |
|-----------|-----------------------------------------------------|
| Gene ID:  | 4969                                                |
| Pathways: | <a href="#">Glycosaminoglycan Metabolic Process</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |