

Datasheet for ABIN1533420

anti-TIMP2 antibody (AA 21-70)**2** Images**2** Publications[Go to Product page](#)

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | TIMP2 |
| Binding Specificity: | AA 21-70 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TIMP2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

Product Details

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|---------------|---|
| Immunogen: | The antiserum was produced against synthesized peptide derived from human TIMP2. |
| Isotype: | IgG |
| Specificity: | TIMP2 Antibody detects endogenous levels of total TIMP2 protein. |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen. |
| Purity: | > 95 % |

Target Details

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| Target: | TIMP2 |
| Alternative Name: | TIMP2 (TIMP2 Products) |
| Background: | Synonyms: tissue inhibitor of metalloproteinase 2 |

Target Details

| | |
|-------------------|--|
| | NCBI Gene Symbol: TIMP2 |
| Molecular Weight: | 24 kDa |
| Gene ID: | 7077 |
| OMIM: | 188825 |
| UniProt: | P16035 |
| Pathways: | cAMP Metabolic Process |

Application Details

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| Application Notes: | WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:40000 |
| Comment: | Unigene-Number: Hs.633514 (NCBI Gene Symbol: TIMP2) |
| Restrictions: | For Research Use only |

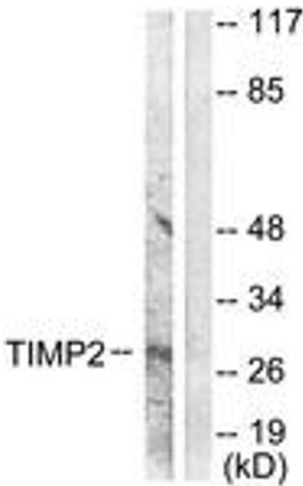
Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| 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: | Stable at -20°C for at least 1 year. |
| Expiry Date: | 12 months |

Publications

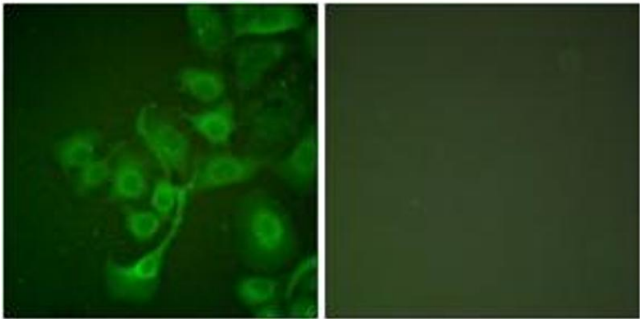
| | |
|-------------------|--|
| Product cited in: | Nishihara, Remacle, Angert, Shubayev, Shiryaev, Liu, Dolkas, Chernov, Strongin, Shubayev: "Matrix metalloproteinase-14 both sheds cell surface neuronal glial antigen 2 (NG2) proteoglycan on macrophages and governs the response to peripheral nerve injury." in: The Journal of biological chemistry , Vol. 290, Issue 6, pp. 3693-707, (2015) (PubMed). |
|-------------------|--|

Hu, Cai, Hu, Patel, Bard, Jamison, Coling: "Metalloproteinases and their associated genes contribute to the functional integrity and noise-induced damage in the cochlear sensory epithelium." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 32, Issue 43, pp. 14927-41, (2012) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of extracts from A549 cells, using TIMP2 Antibody. The lane on the right is treated with the synthesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cells, using TIMP2 Antibody. The picture on the right is treated with the synthesized peptide.