

Rabbit polyclonal antibody to human Metalloproteinase inhibitor 4 (208-224): Affinity purified

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| Catalogue No.: | R-1107-100 |
| Description: | The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases that degrade extracellular matrix components such as fibronectin and collagen type III. The tissue inhibitors of metalloproteinase (TIMPs) complex with these matrix metalloproteinases and irreversibly inactivate them. The TIMP proteins are homologous and are either secreted in soluble form (TIMP1, TIMP2 and TIMP4) or bind to extracellular matrix components (TIMP3). Metalloproteinase inhibitor 4 (TIMP4) is known to inhibit MMP-1, MMP-2, MMP-3, MMP-7 and MMP-9. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | A synthetic peptide (YRGHLPLRKEFVDIVQP) corresponding to a region (208-224) from the C-terminus of human Metalloproteinase inhibitor 4. To enhance the immunological response, this peptide was coupled to carrier protein BSA. |
| Other Names: | Tissue inhibitor of metalloproteinases 4; TIMP-4; TIMP4; |
| Accession: | Q99727 TIMP4_HUMAN; |
| Produced in: | Rabbit |
| Purity: | Affinity purified on antigen column |
| Applications: | Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human TIMP4 (precursor) has a predicted length of 224 residues and MW of 26 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Specificity: | The specificity of this antibody has been confirmed by WB and IHC against the antigen. |
| Cross-reactivity: | Human; rat; expected to react with mouse due to sequence homology; |
| Form: | Liquid (0.5ml) in 50% glycerol, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ |
| Reconstitution: | The liquid formulation should be diluted in PBS (pH 7.4) |
| Storage: | After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase |

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