Rabbit polyclonal antibody to human Matrix metalloproteinase-16 (582-598): Affinity purified

Catalogue No.:	R-1091-100
Description:	The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases. All MMPs are synthesized as inactive proenzymes. The activation of these proenzymes is a critical step that leads to degradation of extracellular matrix components such as fibronectin and collagen type III. At least 2 isoforms of MMP16 are produced by alternate splicing. The Long isoform is a single-pass type 1 membrane protein. The Short isoform is secreted. Both forms of MMP16 activate MMP2 (progelatinase A) by cleavage.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (YTVFQFKRKGTPRHILY) corresponding to a region (582-598) from human Matrix metalloproteinase-16. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	MMP-16; EC 3.4.24.; Membrane-type matrix metalloproteinase 3; MT-MMP 3; MTMMP3; Membrane-type-3 matrix metalloproteinase; MT3-MMP; MT3MMP; MMP-X2; MMP16; MMPX2;
Accession:	P51512 MMP16_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human MMP16 (isoform Long) has a predicted length of 607 residues and MW of 70 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues as well as formalin or acetone fixed frozen tissues. 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;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). 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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