

## Polyclonal Antibody to MMP-15 - Purified

<b>Alternate names:</b>	MMP15, MT-MMP 2, MT2-MMP, MT2MMP, MTMMP2, Matrix metalloproteinase-15, Membrane-type matrix metalloproteinase 2, Membrane-type-2 matrix metalloproteinase, SMCP-2
<b>Catalog No.:</b>	AP00551PU-N
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	MMPs are a group of enzymes involved in matrix degradation. Of the sixteen members of matrix metalloproteinase family ten exist in soluble form whereas MT-MMPs exist as integral membrane proteins. MT1-MMP, MT2-MMP, MT3-MMP also known as MMP14, MMP15, MMP16 respectively contain a C-terminal transmembrane domain anchoring them to the cell surface. They have an 8 amino acid insert in their catalytic domain. MT1-MMP cleaves progelatinase A (MMP-2) and progelatinase B to their active forms. MT2-MMP plays a minor role in activation of pro-MMP-2 to its active form in breast carcinomas. Coexpression of MT1-MMP and MT2-MMP in advanced stages of breast carcinomas is indicative of possible involvement of MT2-MMP in its metastasis.
<b>Uniprot ID:</b>	<a href="#">P51511</a>
<b>NCBI:</b>	<a href="#">NP_002419.1</a>
<b>GeneID:</b>	<a href="#">4324</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	A synthetic peptide from the catalytic domain of mouse MMP-15 / MT2-MMP protein. <b>Remarks:</b> Mol. Wt. of Antigen: 62 and 68 kDa
<b>Format:</b>	<b>State:</b> Liquid antiserum <b>Purification:</b> Protein A chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.2 % BSA & 0.09 % sodium azide.
<b>Applications:</b>	Immunohistology (Formalin/Paraffin; Use at 1:25 to 1:50 for 30 min at RT; No special pretreatment is required; Recommended Positive Control: Placenta). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects MMP-15. Cellular Localization: Cell membrane and cytoplasmic <b>Species:</b> Human, Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Sato H, et al. (1994) Nature 370: 61-65
  2. Ueno H, .(1997) Cancer Res. 57: 2055-2060.
  3. Takino T, et al. (1995) J. Biol. Chem. 270: 23013-23020.