



# Anti-TIMP4 (C-terminal) polyclonal antibody (DPAB2007RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit anti-human tissue inhibitor of metalloproteinases 4 polyclonal antibody.
<b>Antigen Description</b>	Metalloproteinase inhibitor 4 is an enzyme that in humans is encoded by the TIMP4 gene. This gene belongs to the tissue inhibitor of metalloproteinases gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling.
<b>Specificity</b>	This antibody reacts with a 23kD protein, known as TIMP-4. TIMPs form tight inhibitory complexes with MMPs, which are involved in matrix degradation, tumor invasiveness, and metastasis. TIMPs inhibit the proteolytic invasiveness of tumor cells and normal
<b>Immunogen</b>	A synthetic peptide derived from the C-terminus region of the human TIMP-4.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IP, WB
<b>Cellular Localization</b>	Cytoplasmic
<b>Positive Control</b>	Testis
<b>Format</b>	Purified immunoglobulin fraction of rabbit antiserum against human TIMP-4 containing sodium azide as a preservative.

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TIMP4 TIMP metallopeptidase inhibitor 4 [ Homo sapiens ]</a>
<b>Synonyms</b>	TIMP4; TIMP metallopeptidase inhibitor 4; metalloproteinase inhibitor 4; Metalloproteinase inhibitor 4; TIMP-4; tissue inhibitor of metalloproteinase 4; tissue inhibitor of metalloproteinases 4; Tissue inhibitor of metalloproteinases 4; TIMP-4; OTTHUMP00000160184
<b>Entrez Gene ID</b>	<a href="#">7079</a>
<b>Protein Refseq</b>	<a href="#">NP_003247</a>
<b>UniProt ID</b>	<a href="#">Q99727</a>
<b>Chromosome Location</b>	3p25
<b>Pathway</b>	Matrix Metalloproteinases
<b>Function</b>	enzyme inhibitor activity; Inferred from Electronic Annotation; metal ion binding; metalloendopeptidase inhibitor activity