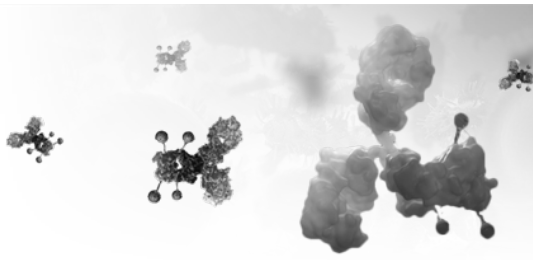

Anti-TIMP1 polyclonal antibody (CPBT-65286RH)

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

PRODUCT INFORMATION

Product Overview	This product reacts with native and denatured TIMP-1, as well as TIMP-1 in and out of enzyme/inhibitor complex. This antibody is not neutralizing. TIMP-1 is expressed by a wide range of cells including microvascular endothelial cells, smooth muscle cells, mesangial cells and some fibroblasts. TIMP-1 inhibits matrix metalloproteinase activity by forming complexes via reversible non covalent binding. It is reported to be involved in the control of angiogenesis and tumour growth.
Specificity	TIMP1
Immunogen	Human tissue inhibitor of metalloproteinase 1 (TIMP-1)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Bovine, Ferret, Horse, Rabbit, Rat, Sheep
Conjugate	Unconjugated
Applications	ELISA; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	TIMP1 TIMP metallopeptidase inhibitor 1 [Homo sapiens (human)]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metallopeptidase inhibitor 1; EPA; EPO; HCI; CLGI; TIMP; metalloproteinase inhibitor 1; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of meta
Entrez Gene ID	7076
Protein Refseq	NP_003245
UniProt ID	P01033
Chromosome Location	Xp11.3-p11.23
Pathway	Activation of Matrix Metalloproteinases; Degradation of the extracellular matrix; Extracellular matrix organization; HIF-1 signaling pathway; Hemostasis; IL6-mediated signaling events; Matrix Metalloproteinases; Platelet activation, signaling and aggregation;
Function	cytokine activity; growth factor activity; metal ion binding; metalloendopeptidase inhibitor activity; protease binding; protein binding;

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