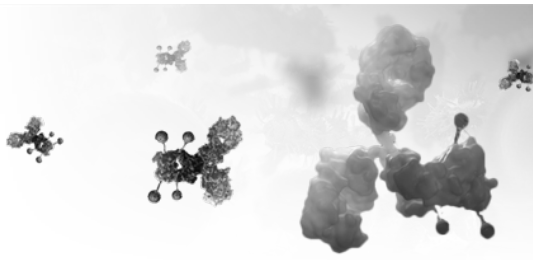

Anti-TIMP1 (aa 129-143) polyclonal antibody (DPABH-22955)

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

PRODUCT INFORMATION

Antigen Description	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16. Does not act on MMP-14.
Immunogen	Synthetic peptide: NSLSLAQRRGFTKTY by a Cysteine residue linker, corresponding to internal sequence amino acids 129-143 of Human TIMP1 (NP_003245.1)
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	200 µl
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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GENE INFORMATION

Gene Name	TIMP1 TIMP metallopeptidase inhibitor 1 [Homo sapiens]
Official Symbol	TIMP1
Synonyms	TIMP1; TIMP metallopeptidase inhibitor 1; CLGI, TIMP, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor); metalloproteinase inhibitor 1; EPO; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1; EPA; HCI; CLGI; TIMP; FLJ90373;
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; Hemostasis; IL6-mediated signaling events; Matrix Metalloproteinases; Platelet activation, signaling and aggregation
Function	enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity; protein binding;

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