

MMP19 (Cleaved-Tyr98) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03632
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human MMP19 (Cleaved-Tyr98)
Mol wt	55880
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	MMP19
Synonyms	MMP19 ;Cleaved-Tyr98; Matrix metalloproteinase-19; MMP-19; EC 3.4.24.-; Matrix metalloproteinase RASI; Matrix metalloproteinase-18; MMP-18

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

alternative products:Additional isoforms seem to exist|Catalytic activity:Cleaves aggrecan at the 360-Ser-|-Phe-361 site.|cofactor:Binds 1 zinc ion per subunit.|cofactor:Calcium.|disease:May play a role in pathological processes participating in rheumatoid arthritis (RA)-associated joint tissue destruction. Autoantigen anti-MMP19 are frequent in RA patients.|The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion| thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.|enzyme regulation:Strongly inhibited by TIMP-2| TIMP-3 and TIMP-4| while TIMP-1 is less efficient.|Endopeptidase that degrades various components of the extracellular matrix| such as aggrecan and cartilage oligomeric matrix protein (comp)| during development| haemostasis and pathological conditions (arthritic disease). May also play a role in neovascularization or angiogenesis. Hydrolyzes collagen type IV| laminin| nidogen| nascin-C isoform| fibronectin| and type I gelatin.|PTM:Activated by autolytic cleavage after Lys-97.|Belongs to the peptidase M10A family.|Contains 4 hemopexin-like domains.|tissue specificity:Expressed in mammary gland| placenta| lung| pancreas| ovary| small intestine| spleen| thymus| prostate| testis colon| heart and blood vessel walls. Not detected in brain and peripheral blood leukocytes. Also expressed in the synovial fluid of normal and rheumatoid patients.|

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year