Datasheet for ABIN307120

anti-MMP 9 antibody (N-Term)

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Overview

Quantity:	200 µg
Target:	MMP 9 (MMP9)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the N-terminus of the human MMP9 protein and mouse myeloma Ag8563 cells. Sequence common in rabbit, dog and pig
Clone:	4A3
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	CLG4B, GELB, 92 kDa gelatinase, matrix metallopeptidase 9,The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc.

Product Details

	MMP-9 (also designated 92- kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also designated interstitial collagenase, fibroblast collagenase or collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption. MMP-1 is down-regulated by p53, and abnormality of p53 expression may contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.
Purification:	Protein A/G Chromatography

Target Details

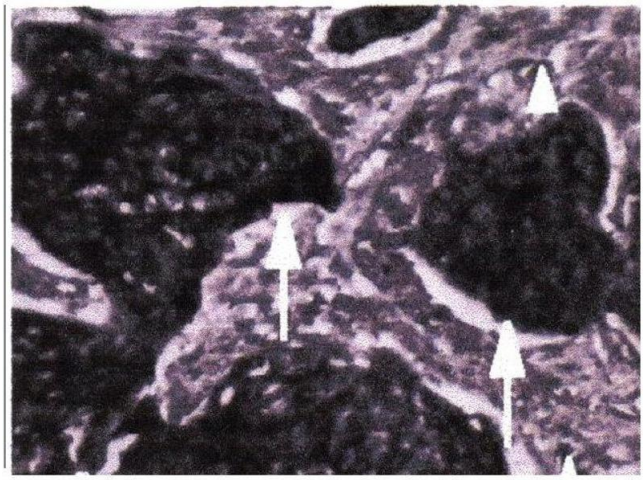
Target:	MMP 9 (MMP9)
Alternative Name:	Matrix Metalloproteinase 9 (MMP9) (MMP9 Products)
Pathways:	Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Antibody can be used for Western blotting (1-2 µg/mL) and immunohistochemistry (1-5 µ g/mL). Antibody is specific for the activated form of MMP9 only. These working concentrations are merely an indication. Optimal working concentrations should, however, be evaluated by serial dilutions by the customer.
Restrictions:	For Research Use only

Handling

Buffer:	Provided as solution in phosphate buffered saline with 0.08 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Immunohistochemistry

Image 1. Immunohistochemical staining of paraffin embedded esophageal tumors using Act-MMP9 antibody .