

Datasheet for ABIN307119
anti-MMP 9 antibody (C-Term)



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1 Image

Overview

Quantity:	200 µg
Target:	MMP 9 (MMP9)
Binding Specificity:	C-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 C-terminus of the human MMP9 protein and mouse myeloma Ag8563 cells.
Clone:	2C3
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	CLG4B, GELB, 92 kDa gelatinase, matrix metalloproteinase 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

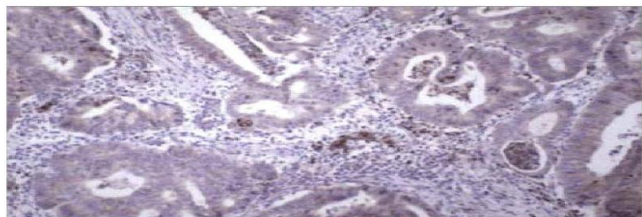
Target:	MMP 9 (MMP9)
Alternative Name:	Matrix Metalloproteinase 9 (MMP9) (MMP9 Products)
Pathways:	Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events

Application Details

Application Notes:	Antibody can be used for Western blotting (1-2 µg/mL) and immunohistochemistry on formalin-fixed paraffin-embedded tissues (1-5 µg/mL). Optimal concentration should be evaluated by serial dilutions.
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 colon carcinoma using MMP9 antibody . Antigen retrieval using 10mM citrate buffer and microwave method was used.