

Datasheet for ABIN6940076
anti-MMP 9 antibody (AA 22-166)



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1 Image

Overview

Quantity:	100 µg
Target:	MMP 9 (MMP9)
Binding Specificity:	AA 22-166
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP 9 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MMP9 protein fragment (around aa 22-166) (exact sequence is proprietary)
Clone:	MMP9-2477
Isotype:	IgG2b kappa

Target Details

Target:	MMP 9 (MMP9)
Alternative Name:	MMP9 (MMP9 Products)
Background:	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,

Target Details

lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. 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.

Molecular Weight: 92kDa

Gene ID: 4318

UniProt: [P14780](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Positive Control: U937 cells. Spleen or heart.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

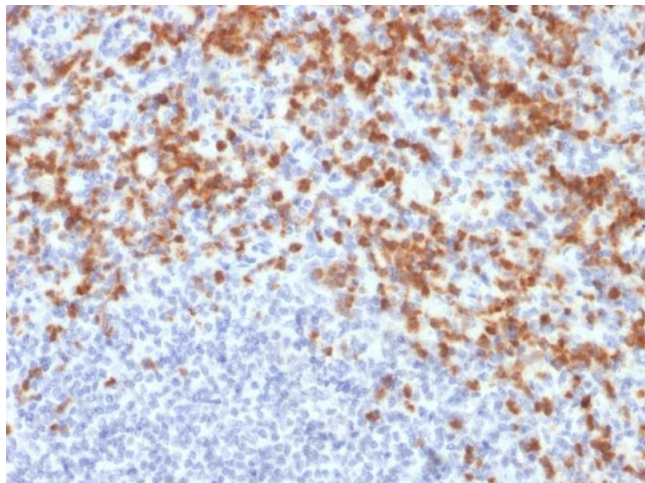
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human spleen stained with MMP9 Mouse Recombinant Monoclonal Antibody (MMP9/2477).