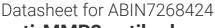
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anti-MMP3 antibody





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Overview

Quantity:	100 μL
Target:	MMP3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MMP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	MMP3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human MMP3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MMP3
Alternative Name:	MMP3 (MMP3 Products)
Background:	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of

extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008],CHDS6, MMP-3, SL-1, STMY, STMY1, STR1,Angiogenesis,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Extracellular Matrix_MMPs,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,Invasion and Metastasis,Signal Transduction,Tumor biomarkers,Ubiquitin,MMP3

Molecular Weight:

50kDa

Gene ID:

4314

UniProt:

P08254

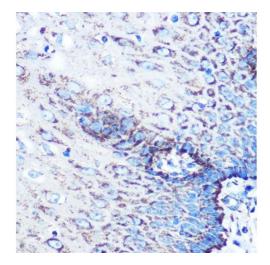
Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

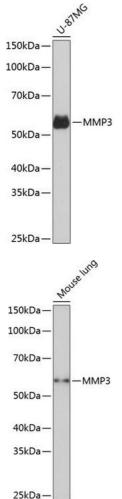
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human esophageal using MMP3 Rabbit mAb (ABIN7268424) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of U-87MG cells, using MMP3 Rabbit mAb (ABIN7268424) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.

Western Blotting

Image 3. Western blot analysis of extracts of Mouse lung, using MMP3 Rabbit mAb (ABIN7268424) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.

Please check the product details page for more images. Overall 4 images are available for ABIN7268424.