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Datasheet for ABIN7268426  
**anti-MMP 9 antibody (AA 400-500)**

4 Images

Overview

Quantity:	100 µL
Target:	MMP 9 (MMP9)
Binding Specificity:	AA 400-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP 9 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Purpose:	MMP9 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human MMP9 (NP_004985.2).
Sequence:	AHEFGHALGL DHSSVPEALM YPMYRFTEGP PLHKDDVNGI RHLYGPRPEP EPRPPTTTTP QPTAPPTVCP TGPPTVHPSE RPTAGPTGPP SAGPTGPPTA G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	MMP 9 (MMP9)
Alternative Name:	MMP9 ( <a href="#">MMP9 Products</a> )
Background:	<p>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. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.,MMP9,CLG4B,GELB,MANDP2,MMP-9,Cancer,Tumor biomarkers,Invasion and Metastasis,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Cell Biology &amp; Developmental Biology,Apoptosis,Cytoskeleton,Extracellular Matrix,MMPs,Ubiquitin,Cardiovascular,Angiogenesis,MMP9</p>
Molecular Weight:	78kDa
Gene ID:	4318
UniProt:	<a href="#">P14780</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

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Application Notes:	IHC,1:100 - 1:200
Restrictions:	For Research Use only

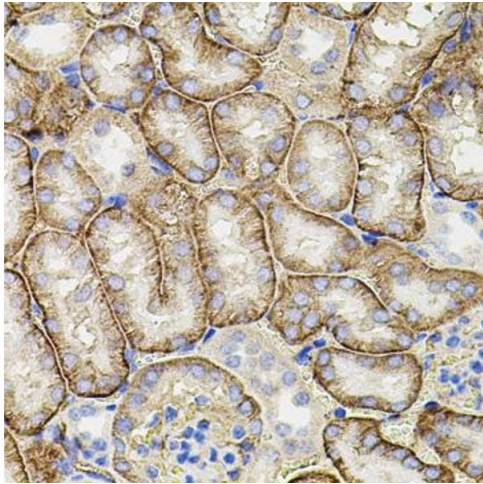
## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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

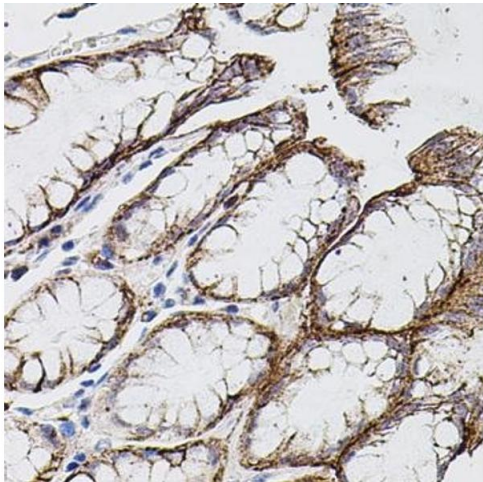
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



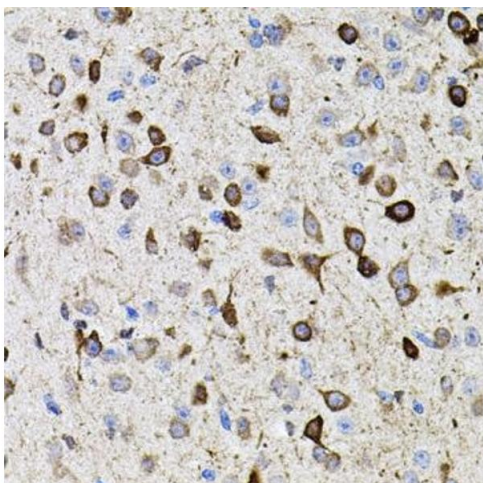
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse kidney using MMP9 antibody (ABIN7268426) 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.



### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human stomach using MMP9 antibody (ABIN7268426) 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.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded mouse brain using MMP9 antibody (ABIN7268426) 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7268426.