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# anti-MMP7 antibody





### Overview

Quantity:	100 μL
Target:	MMP7
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MMP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Purpose:	MMP7 Rabbit mAb
Immunogen:	Recombinant protein of human MMP7.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

# Target Details

Target:	MMP7
Alternative Name:	MMP7 (MMP7 Products)
Background:	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases

(MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers.,MMP7,MMP-7,MPSL1,PUMP-1,Cancer,Tumor biomarkers,Invasion and Metastasis,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Cell Biology & Developmental

Biology,Cytoskeleton,Extracellular Matrix,MMPs,Ubiquitin,Cardiovascular,Angiogenesis,MMP7

Molecular Weight: 29kDa

Gene ID: 4316

UniProt: P09237

Pathways: Production of Molecular Mediator of Immune Response

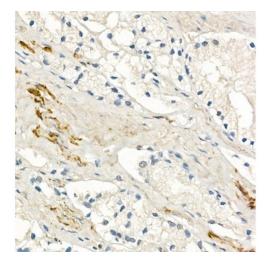
#### **Application Details**

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

Restrictions: For Research Use only

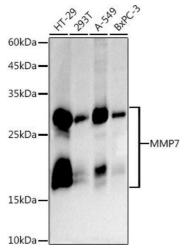
#### Handling

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



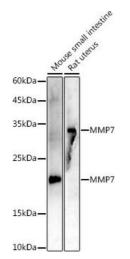
## Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human prostate cancer using MMP7 Rabbit mAb (ABIN7268425) at dilution of 1:150 (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 various cell lines, using MMP7 antibody (ABIN7268425 ) 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: 180s.



#### **Western Blotting**

**Image 3.** Western blot analysis of extracts of various cell lines, using MMP7 antibody (ABIN7268425 ) 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: 90s.

Please check the product details page for more images. Overall 6 images are available for ABIN7268425.