

Rabbit anti-Human MMP14 Polyclonal Antibody | anti-MMP14 antibody

MMP14 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283304	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

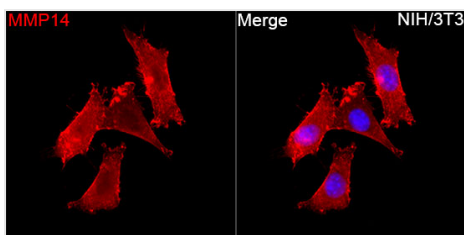
PRODUCT SYNONYMS

MMP14; Polyclonal Antibody; MMP14 Rabbit pAb; MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1; anti-MMP14 antibody

PRODUCT SPECIFICATIONS

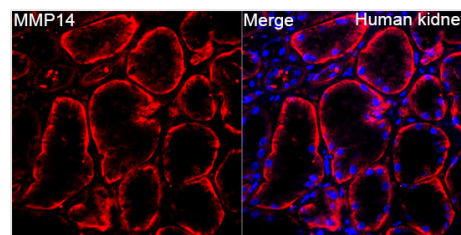
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	ALASLGSAQS SSFSPEAWLQ QYGYLPPGDL RTHTQRSPQS LSAAIAAMQK FYGLQVTGKA DADTMKAMRR PRCGVPDKFG AEIKANVRRK RYAIQGLKWQ HNEITFCIQN YTPKVGEYAT YEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIF FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVRNEDLNG NDIFLVAVHE LGHALGLEHS SDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYGGESGFP TKMPPQPRTT SRPSVPDKPK NPTYGPNICD GNFDTVAMLR GEMFVKERW FWRVRNNQVM DGYPMPIGQF WRGLPASINT AYERKDGKVF FFKGDKHWVF DEASLEPGYP KHIKELGRGL PTDKIDAALF WMPNGKTYFF RGNKYRFRNE ELRAVDSEYP KNIKVWEGIP ESPRGSFMGS DEVFTYFYKG NKYWKFNQK LKVEPGYPKS ALRDWMGCPS GGRPDEGTEE ETEVIIIEVD EEGGGAVS
Applicable Applications for anti-MMP14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 21-538 of human MMP14 (NP_004986.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



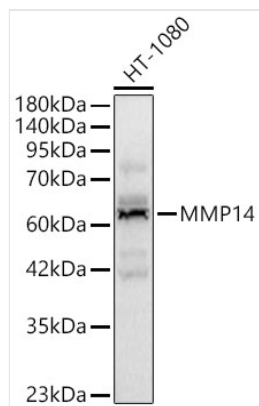
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using MMP14 Rabbit pAb(AAA283304) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Human kidney tissue using MMP14 Rabbit pAb(AAA283304) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of lysates from HT-1080 cells using MMP14 Rabbit pAb (AAA283304) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP14 antibody	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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion.
Product Categories/Family for anti-MMP14 antibody	Cancer ; Tumor biomarkers ; Invasion and Metastasis ; Signal Transduction ; Cell Biology Developmental Biology ; Cytoskeleton ; Extracellular Matrix ; Ubiquitin ; Endocrine Metabolism ; Cardiovascular ; Angiogenesis ; Hypoxia ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826834
NCBI GeneID	4323
NCBI Accession #	NP_004986.1
NCBI GenBank Nucleotide #	NM_004995.2
UniProt Accession #	P50281 ; Q6GSF3 ; Q92678 ; A8K5L0
Molecular Weight	Calculated MW: 66kDa Observed MW: 62kDa
UniProt Protein Name	Matrix metalloproteinase-14
UniProt Gene Name	MMP14
UniProt Synonym Gene Names	MMP-14; MT-MMP 1; MTMMP1; MT1-MMP; MT1MMP
UniProt Entry Name	MMP14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mmp14-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283304>