

Anti-MMP14 antibody (21-538 aa) (STJ11107056)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse

PRODUCT PROPERTIES

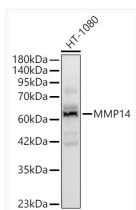
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 66kDa Observed Mw: 62kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

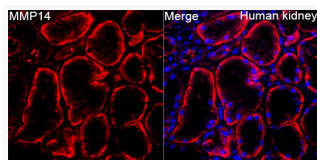
Gene ID	4323
Gene Symbol	MMP14
UniProt ID	MMP14_HUMAN
Immunogen Region	21-538 aa
Immunogen Sequence	ALASLGSAQSSSFPEAWLQ QYGYLPPGDLRTHTORSPQS LSAAIAAMQKFYGLQVTGKA DADTMKAMRRPRCGVPDKFG AEIKANVRRKRYAIQGLKWQ HNEITFCIQNYTPKVGEYAT YEAIRKAFRVWESATPLRFR EVPYAYIREGHEKQADIMIF FAEGFHGDSTPFDGEGGFLA HAYFPGPNIGGDTHFDSAEP WTVRNEDLNGNDIFLVAVHE LGHALGLEHSSDPSAIMAP
Specificity	Recombinant Protein corresponding to a sequence within amino acids 21-538 of human MMP14 (NP_004986.1).

ADDITIONAL INFORMATION

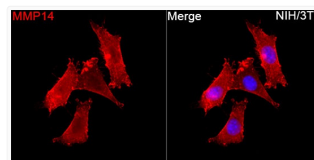
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Western blot analysis of lysates from HT-1080 cells using MMP14 Rabbit pAb (STJ11107056) at 1:1000 dilution.
 Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection:ECL Basic Kit
 Exposure time:30s.



Immunofluorescence analysis of paraffin-embedded Human kidney tissue using MMP14 Rabbit pAb (STJ11107056) at 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (STJS001166) 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.



Immunofluorescence analysis of NIH/3T3 cells using MMP14 Rabbit pAb (STJ11107056) at 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.