

Anti-MMP12 antibody (200-300) (STJ111106)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

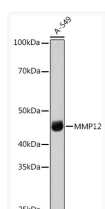
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 54kDa Observed Mw: 45kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

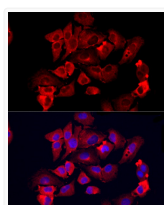
Gene ID	4321
Gene Symbol	MMP12
UniProt ID	MMP12_HUMAN
Immunogen Region	200-300
Immunogen Sequence	DEFWTTTHSGGTNLFLTAVHE IGHSGLGLGHSSDPKAVMFPT KYVDINTFRLSADDIRGIQ SLYGDPKENQRLPNPDNSEP ALCDPNLSFDAVTTVGNKIF F
Specificity	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human MMP12 (NP_002417.2).

ADDITIONAL INFORMATION

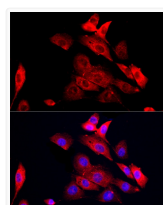
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Western blot analysis of extracts of A-549 cells, using MMP12 antibody (STJ111106) 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% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Immunofluorescence analysis of A-549 cells using MMP12 rabbit polyclonal antibody (STJ111106) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using MMP12 rabbit polyclonal antibody (STJ111106) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.