

Product datasheet for **TA321482**

MMP8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 231 cells IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 122-135 amino acids of human matrix metalloproteinase 8 (neutrophil collagenase)
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	matrix metalloproteinase 8
Database Link:	NP_002415 Entrez Gene 4317 Human P22894



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Background:

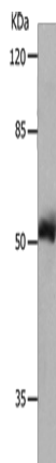
Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes; such as embryonic development; reproduction; and tissue remodeling; as well as in disease processes; such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However; the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I; II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Synonyms:

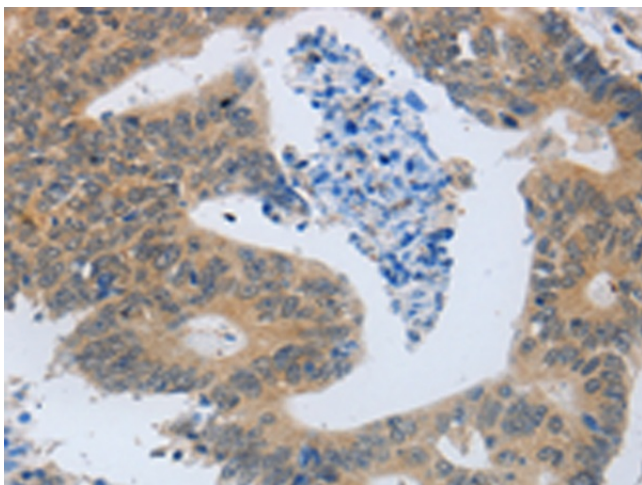
CLG1; HNC; MMP-8; PMNL-CL

Protein Families:

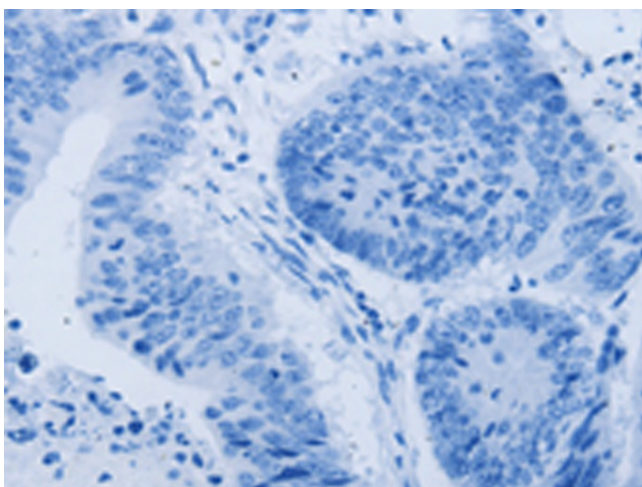
Druggable Genome, Protease

Product images:

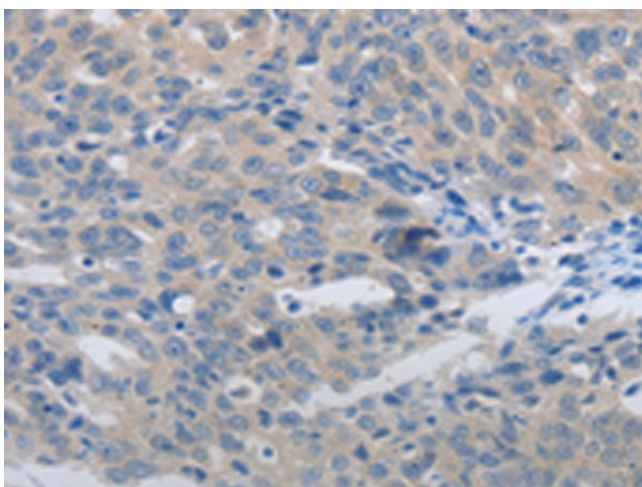
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: 231 cells
Primary antibody: TA321482 (MMP8 Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



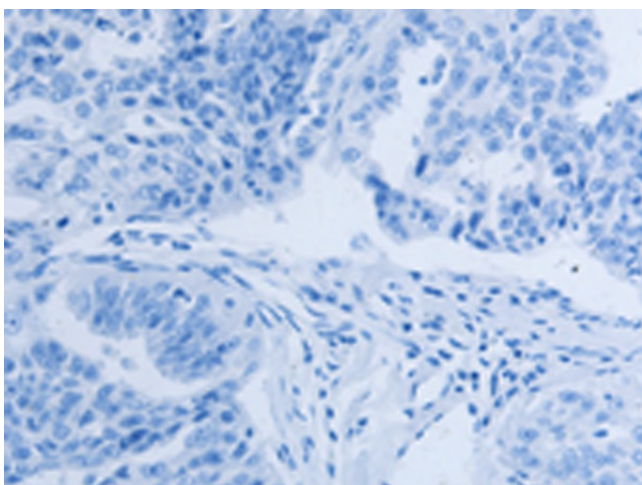
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321482 (MMP8 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321482 (MMP8 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321482 (MMP8 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321482 (MMP8 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: ×200)