

Product datasheet for **AM21048PU-N**

MMP11 Mouse Monoclonal Antibody [Clone ID: 5ST-4A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5ST-4A9
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 5 µg/ml (1/100). Immunohistochemistry on Paraffin Sections: 10 µg/ml (1/50). Proteinase K pretreatment for antigen retrieval is recommended. <i>Suggested Positive Control:</i> Placenta.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length recombinant Human Stromelysin-3. Antigen, epitope: The epitope has not been further characterized.
Specificity:	Monoclonal antibody 5ST-4A9 recognizes Human Stromelysin-3. SL-3 (MMP-11) was originally isolated as a breast cancer associated gene. Antigen Distribution: Specifically expressed in stromal cells of breast carcinomas.
Formulation:	Stock solution contains 0.5 mg/ml IgG, PBS, pH 7.2 with 5mg/ml BSA as stabilizer and 0.01% Kathon as a preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore by adding 0.5 ml distilled water
Concentration:	0.5 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at 2- 8°C. Following reconstitution, store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: matrix metalloproteinase 11

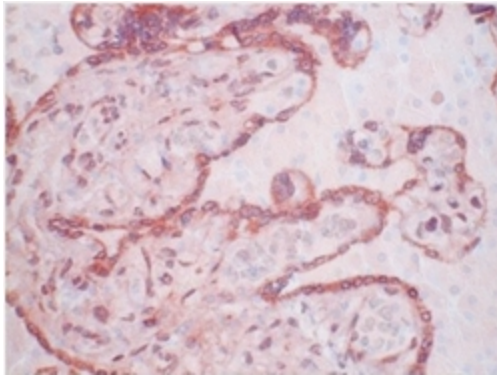
Database Link: [Entrez Gene 4320 Human P24347](#)

Background: The MMP stromelysin-3 shares many similarities with other MMPs but also has several unique properties. It has little expression in adult organs under normal physiological conditions but is upregulated in a number of pathological processes such as tumor invasion and may also be involved in tumor initiation. During mammalian development, ST3 is expressed in many processes involving cell migration and tissue morphogenesis, especially where cell death takes place.

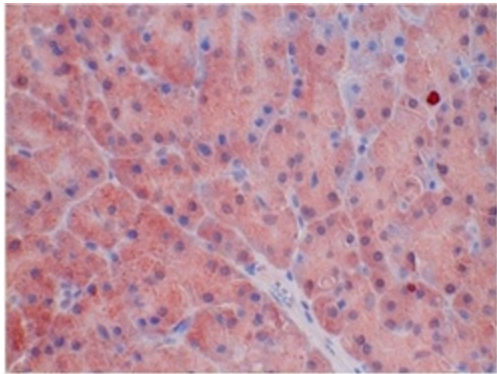
Synonyms: MMP11, Stromelysin-3, SL-3, ST3, STMY3, Matrix metalloproteinase-11

Protein Families: Druggable Genome, Protease

Product images:



MMP-11 antibody staining of Paraffin Human Placenta Section (Clone 5ST-4A9)



MMP-11 antibody staining of Paraffin Swine Pancreas Section (Clone 5ST-4A9)