

MMP21 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57328**Specification**

MMP21 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8N119
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MMP21
Epitope Specificity	301-400/569
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted
SIMILARITY	Belongs to the peptidase M10A family. Contains 4 hemopexin repeats.
Post-translational modifications	The precursor is cleaved by a furin endopeptidase
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of the matrix metalloproteinase family. Proteins in this family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, and disease processes, such as asthma and tumor metastasis. The encoded protein may play an important role in embryogenesis, particularly in neuronal cells, as well as in lymphocyte development and survival. [provided by RefSeq, May 2013]

MMP21 Polyclonal Antibody - Additional Information**Gene ID** 118856**Other Names**

Matrix metalloproteinase-21, MMP-21, 3.4.24.-, MMP21

Target/Specificity

Identified in fetal brain, kidney and liver. In adult tissues found primarily in ovary, kidney, liver, lung, placenta, brain and peripheral blood leukocytes. Expressed as well in various cancer cell lines.

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MMP21 Polyclonal Antibody - Protein Information**Name** MMP21**Function**

Plays a specialized role in the generation of left-right asymmetry during embryogenesis. May act as a negative regulator of the NOTCH-signaling pathway (PubMed: [26429889](http://www.uniprot.org/citations/26429889), PubMed: [26437028](http://www.uniprot.org/citations/26437028)). Cleaves alpha-1-antitrypsin (PubMed: [12617721](http://www.uniprot.org/citations/12617721)).

Cellular Location

Secreted.

Tissue Location

Identified in fetal brain, kidney and liver. In adult tissues found primarily in ovary, kidney, liver, lung, placenta, brain and peripheral blood leukocytes. Expressed as well in various cancer cell lines.

MMP21 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MMP21 Polyclonal Antibody - Images