

# MMP21 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57328

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q8N119</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	65043
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human MMP21
<b>Epitope Specificity</b>	301-400/569
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Secreted
<b>SIMILARITY</b>	Belongs to the peptidase M10A family. Contains 4 hemopexin repeats.
<b>Post-translational modifications</b>	The precursor is cleaved by a furin endopeptidase
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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]

## Additional Information

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<b>Gene ID</b>	118856
<b>Other Names</b>	Matrix metalloproteinase-21, MMP-21, 3.4.24.-, MMP21
<b>Target/Specificity</b>	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.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

<b>Storage</b>	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.
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## Protein Information

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<b>Name</b>	MMP21
<b>Function</b>	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: <a href="#">26429889</a> , PubMed: <a href="#">26437028</a> ). Cleaves alpha-1-antitrypsin (PubMed: <a href="#">12617721</a> ).
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.