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MMP28 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13734c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9H239
Other Accession	NP_001027449.1, NP_077278.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33715
Calculated MW	58939
Antigen Region	195-223

Additional Information

Gene ID	79148
Other Names	Matrix metalloproteinase-28, MMP-28, 3424-, Epilysin, MMP28, MMP25
Target/Specificity	This MMP28 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the Central region of human MMP28.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MMP28 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MMP28
Synonyms	MMP25
Function	Can degrade casein. Could play a role in tissues homeostasis and repair.

Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed at high levels in testes and lung. Low levels are detected in kidney, pancreas and skin. Also expressed in fetal lung, brain, skeletal muscle and kidney. Expressed selectively in keratinocytes. Widely expressed in several carcinomas as well. Is up- regulated in response to injury in the skin

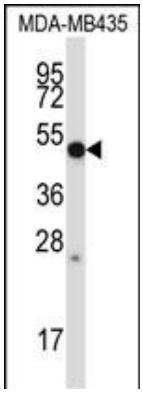
Background

Proteins of the matrix metalloproteinase (MMP) 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 metastasis. This gene encodes a secreted enzyme that degrades casein. Its expression pattern suggests that it plays a role in tissue homeostasis and in wound repair. Transcript variants encoding different isoforms have been described. [provided by RefSeq].

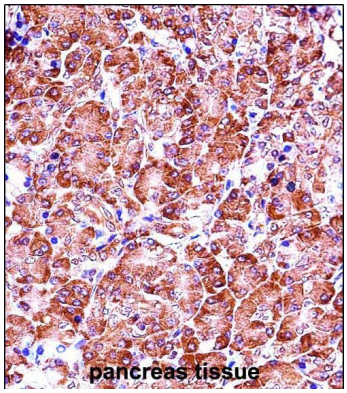
References

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Suomela, S., et al. Virchows Arch. 455(6):495-503(2009)
Rodgers, U.R., et al. Matrix Biol. 28(5):263-272(2009)
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Gruber, H.E., et al. Arthritis Res. Ther. 11 (6), R184 (2009) :

Images



MMP28 Antibody (Center) (Cat. #AP13734c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the MMP28 antibody detected the MMP28 protein (arrow).



MMP28 Antibody (Center) (Cat. #AP13734c)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MMP28 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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