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MMP26 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19884c

Product Information

Application	WB, E
Primary Accession	Q9NRE1
Other Accession	NP_068573.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41665
Calculated MW	29708
Antigen Region	96-125

Additional Information

Gene ID	56547
Other Names	Matrix metalloproteinase-26, MMP-26, 3424-, Endometase, Matrilysin-2, MMP26
Target/Specificity	This MMP26 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-125 amino acids from the Central region of human MMP26.
Dilution	WB~~1:1000 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	MMP26 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MMP26
Function	May hydrolyze collagen type IV, fibronectin, fibrinogen, beta-casein, type I gelatin and alpha-1 proteinase inhibitor. Is also able to activate progelatinase B.

Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed specifically in uterus and placenta. Is also widely expressed in malignant tumors from different sources as well as in diverse tumor cell lines

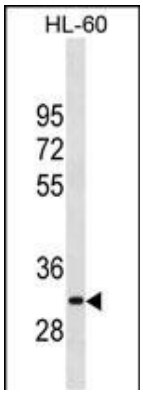
Background

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. The encoded protein degrades type IV collagen, fibronectin, fibrinogen, casein, vitronectin, alpha 1-antitrypsin, alpha 2-macroglobulin, and insulin-like growth factor-binding protein 1, and activates MMP9 by cleavage. The protein differs from most MMP family members in that it lacks a conserved C-terminal protein domain.

References

de Amorim, R.F., et al. Acta Odontol. Scand. 68(4):228-231(2010)
Ban, J.Y., et al. Life Sci. 86 (19-20), 756-759 (2010) :
Deng, Y., et al. Oncol. Rep. 23(1):69-78(2010)
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
Liu, J., et al. Reprod. Biol. Endocrinol. 8, 5 (2010) :

Images



MMP26 Antibody (Center) (Cat. #AP19884c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the MMP26 antibody detected the MMP26 protein (arrow).