

Rabbit MMP2 Polyclonal Antibody | anti-MMP2 antibody

MMP2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288849	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rabbit, Rat)	ELISA, Western Blot

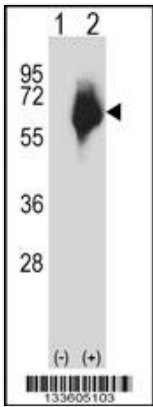
PRODUCT SYNONYMS

MMP2; Polyclonal Antibody; MMP2 Antibody (Center); 72 kDa type IV collagenase; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; TBE-1; PEX; CLG4A; anti-MMP2 antibody

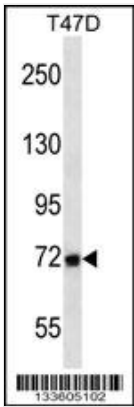
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MMP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-331 amino acids from the Central region of human MMP2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	303-331
Sequence Length	610
Applicable Applications for anti-MMP2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of MMP2 (arrow) using rabbit polyclonal MMP2 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MMP2 gene.



WB (Western Blot)
MMP2 Antibody (Center) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the MMP2 antibody detected the MMP2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MMP2 antibody	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. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MMP2 antibody	Cancer; Cardiovascular; Cell Biology; Metabolism
References	Beshir, A.B., et al. Cancer Lett. 299(2):137-149(2010) Alakus, H., et al. World J Surg 34(12):2853-2859(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010) Mossbock, G., et al. Mol. Vis. 16, 1764-1770 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	189217853
NCBI GeneID	4313
NCBI Accession #	NP_001121363.1; NP_004521.1
NCBI GenBank Nucleotide #	NM_001127891.2
UniProt Accession #	P08253; Q9UCJ8; B2R6U1; B4DWH3; E9PE45
Molecular Weight	73882
NCBI Official Full Name	72 kDa type IV collagenase isoform 2
NCBI Official Synonym Full Names	matrix metalloproteinase 2

NCBI Official Symbol	MMP2
NCBI Official Synonym Symbols	CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II
NCBI Protein Information	72 kDa type IV collagenase
UniProt Protein Name	72 kDa type IV collagenase
UniProt Gene Name	MMP2
UniProt Synonym Gene Names	CLG4A; MMP-2
UniProt Entry Name	MMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mmp2-antibody-western-blot-elisa/288849>