MMP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MMP2, Polyclonal Antibody
Full Product Name	MMP2 (CLG4A, 72kD Type IV Collagenase, 72kD Gelatinase, Gelatinase A, Matrix Metalloproteinase-2, TBE-1, PEX) (MaxLight 550)
Product Gene Name	anti-MMP2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MMP2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human MMP2, aa1-660 (AAH02576.1).
Immunogen Sequence	MEALMARGALTGPLRALCLLGCLLSHAAAAPSPIIKFPGDVAPKTDKELAVQYLNTFYGCPKESCNLFVLKDTLKKMQKFFGLPQTGDLDQNTIETMRKPR
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-MMP2 antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-MMP2 antibody	Western Blot (WB)
Application Notes for anti-MMP2 antibody	Applications are based on unconjugated antibody.
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
Other Notes	Small volumes of anti-MMP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for MMP2 purchase	MBS6385650 is an antibody targeting MMP2. Also known as MMP2 (CLG4A, 72kD Type IV Collagenase, 72kD Gelatinase, Gelatinase A, Matrix Metal

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MMP2. It may not necessarily be applicable to this product.

NCBI GI #	12803499
NCBI GeneID	4313
NCBI Accession #	AAH02576.1
UniProt Related Accession #	P08253
GenBank Nucleotide #	NM_004530
NCBI Official Full Name	Matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
NCBI Official Synonym Full Names	matrix metallopeptidase 2
NCBI Official Symbol	MMP2
NCBI Official Synonym Symbols	CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II
Protein Family	72 kDa type IV collagenase
NCBI Protein Information	72 kDa type IV collagenase
NCBI Summary for MMP2	This gene is a member of the matrix metalloproteinase (MMP) gene family, that are zinc-dependent enzymes capable of cleaving components of the extracellular matrix and molecules involved in signal transduction. The protein encoded by this gene is a gelatinase A, type IV collagenase, that contains three fibronectin type II repeats in its catalytic site that allow binding of denatured type IV and V collagen and elastin. Unlike most MMP family members, activation of this protein can occur on the cell membrane. This enzyme can be activated extracellularly by proteases, or, intracellulary by its S-glutathiolation with no requirement for proteolytical removal of the pro-domain. This protein is thought to be involved in multiple pathways including roles in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Research Articles on MMP2	**1.** Intracellular MMP2 was found to be activated and distributed throughout skeletal muscle fibers.
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