antibodies -online.com





anti-MMP3 antibody





Publication



Go to Product page

Overview	
Quantity:	100 μL
Target:	MMP3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human MMP3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human

Purification: Purified by antigen-affinity chromatography.

MMP3 antibody [N3C1], Internal

Target Details

Characteristics:

Target:	MMP3
Alternative Name:	matrix metallopeptidase 3 (MMP3 Products)

Rabbit Polyclonal antibody to MMP3 (matrix metallopeptidase 3 (stromelysin 1, progelatinase))

Target Details

Target Details	
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. This gene encodes an enzyme which degrades fibronectin, laminin,
	collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in
	wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster
	of MMP genes which localize to chromosome 11q22.3.
	Cellular Localization: Secreted , extracellular space , extracellular matrix
Molecular Weight:	54 kDa
Gene ID:	4314
UniProt:	P08254
Application Details	
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations
	should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.

multiple freeze-thaw cycles.

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

4 °C,-20 °C

Storage:

Storage Comment:

Product cited in:

Rodriguez-Gil, Hu, Greer: "Dishevelled proteins are associated with olfactory sensory neuron presynaptic terminals." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e56561, (2013) (PubMed).

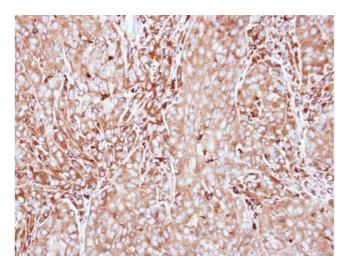
Validation report #104437 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)





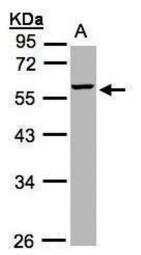
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using MMP3, antibody at 1:200 dilution.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using MMP3, antibody at 1:500 dilution.



Western Blotting

Image 3. WB Image Sample(30 ug whole cell lysate) A:Hep G2, 10% SDS PAGE antibody diluted at 1:1000

Please check the product details page for more images. Overall 4 images are available for ABIN2854847.