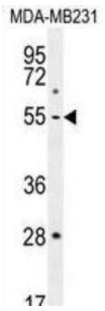
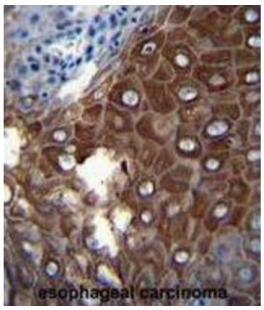
Interstitial Collagenase (MMP1) Antibody

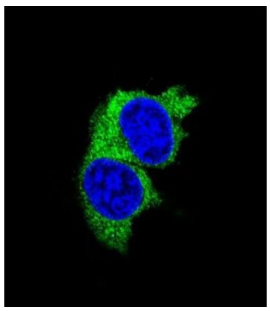
Catalogue No.:abx026484



Western blot analysis of MDA-MB231 cell lysates (35 µg per lane) using Interstitial Collagenase (MMP1) Antibody.



Immunohistochemistry analysis of paraffin-embedded Human oesophageal carcinoma using Interstitial Collagenase (MMP1) Antibody followed by HRP-conjugated secondary antibody and DAB staining.



Immunofluorescence analysis of MDA-MB231 using Interstitial Collagenase (MMP1) Antibody, followed by AF488-conjugated Goat Anti-Rabbit IgG (green) and DAPI (blue) stain.

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 a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

Target:	Interstitial Collagenase (MMP1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit

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Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, IF/ICC: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 317-347 amino acids from the Central region of human MMP1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P03956 (UniProt, ExPASy)
KEGG:	hsa:4312
String:	9606.ENSP00000322788
Molecular Weight:	Calculated MW: 54 kDa
Buffer:	PBS containing 0.09% sodium azide.
Concentration:	0.35 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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