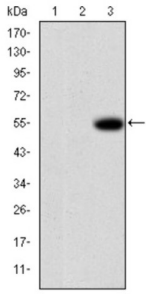
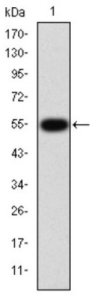
Matrix Metalloproteinase-9 (MMP9) Antibody

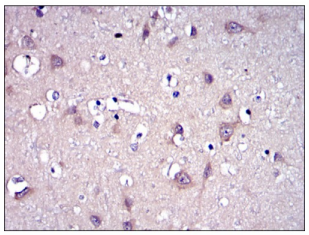
Catalogue No.:abx011408



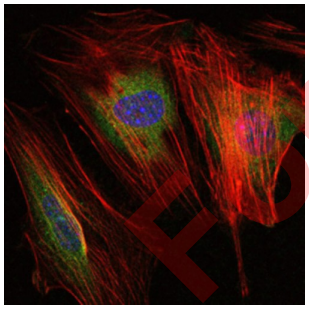
Western blot analysis using MMP9 antibody against human MMP9 (AA: 238-465) recombinant protein. (Expected MW is 50.6 kDa).



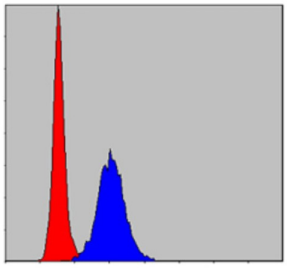
Western blot analysis using MMP9 antibody against HEK293 (1), MMP7-hIgGFc transfected HEK293 (2) cell lysate and MMP9-hIgGFc transfected HEK293 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded brain tissues using MMP9 antibody with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using MMP9 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of Hela cells using MMP9 antibody (blue) and negative control (red).

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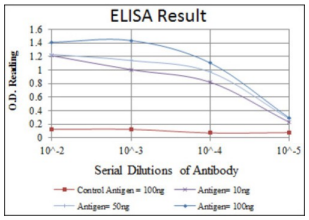

Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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 enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

Target:	Matrix Metalloproteinase-9 (MMP9)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human MMP9 expressed in E. coli.
Isotype:	IgG_{2a}
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P14780 (UniProt, ExPASy)
Gene Symbol:	MMP9

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GeneID:	4318
OMIM:	120361
HGNC:	7176
KEGG:	hsa:4318
Ensembl:	ENSG00000100985
String:	9606.ENSP00000361405
Enzyme Commission Number:	EC 3.4.24, EC 3.4.24.35
Molecular Weight:	92 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
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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