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MMP-9 Monoclonal Antibody

alveolar macrophages and granulocytes. Function catalytic activity:Cleavage of gelatin types I and V and collagen types IV and		
Reactivity Human Applications WB:IHC;IF;FCM;ELISA Gene Name MMP9 Protein Name Matrix metalloproteinase-9 Immunogen Purified recombinant fragment of human MMP-9 expressed in E. Coli. Specificity MMP-9 Monoclonal Antibody detects endogenous levels of MMP-9 protein. Formulation Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol. Source Monoclonal, Mouse Purification Affinity purification Dilution Western Blot: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/1000. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MMP9; CLG4B; Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB Observed Band Cell Pathway Secreted, extracellular space, extracellular matrix . Tissue Specificity Detected in neutrophils (at protein level) (PubMed:7683678). Produced by norma alveolar macrophages and granulocytes. Function catalytic activity:Cleavage of gelatin types I and V and collagen types IV and V, ofactor Binds 2 zinc ions per subunit, ofactor:Binds 3 calcum ions per subunit, disease:Defects in MMP9 may be a cause of susceptibility to lumbar dishermitation (LDH) [MIM:603932], LDH is the predominant cause of low-back pain and unilateri legopain, domain: The conserved cysteine present in	Catalog No	YP-Ab-02333
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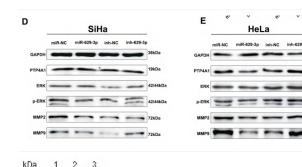
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	matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when 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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

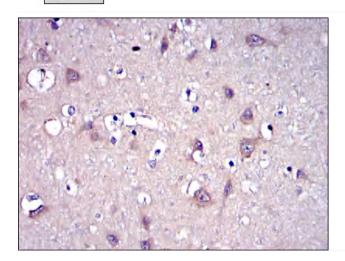
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170-130-95-72-55-43-34-26-17-11Li, X., Ma, N., Zhang, Y. et al. Circular RNA circNRIP1 promotes migration and invasion in cervical cancer by sponging miR-629-3p and regulating the PTP4A1/ERK1/2 pathway. Cell Death Dis 11, 399 (2020).

Western Blot analysis using MMP-9 Monoclonal Antibody against HEK293 (1), MMP7-hIgGFc transfected HEK293 (2) cell lysate and MMP9-hIgGFc transfected HEK293 (3) cell lysate.



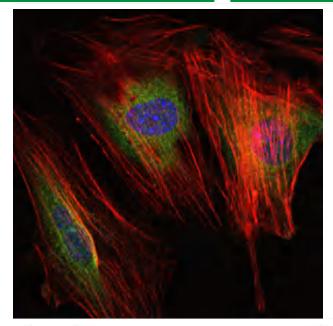
Immunohistochemistry analysis of paraffin-embedded brain tissues with DAB staining using MMP-9 Monoclonal Antibody.



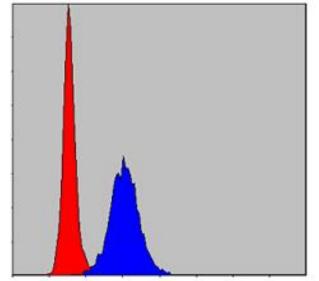
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Immunofluorescence analysis of NIH/3T3 cells using MMP-9 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Hela cells using MMP-9 Monoclonal Antibody (blue) and negative control (red).