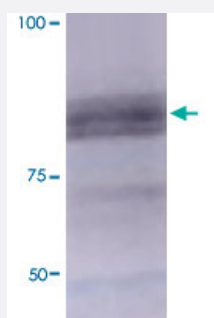


# Mmp9 monoclonal antibody, clone S51-82 (APC)

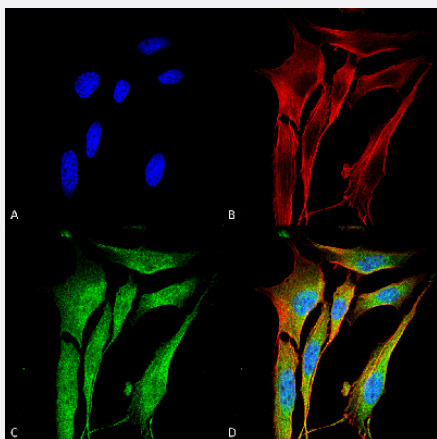
Catalog # MAB16989      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of rat brain tissue lysate with Mmp9 monoclonal antibody, clone S51-82 (APC) (Cat # MAB16989).



### Immunocytochemistry

Immunocytochemical staining of NIH/3T3 with Mmp9 monoclonal antibody, clone S51-82 (APC) (Cat # MAB16989). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Mmp9 Antibody and (D) Composite.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant rat Mmp9.
<b>Immunogen</b>	Recombinant protein corresponding to full length rat Mmp9.
<b>Host</b>	Mouse
<b>Reactivity</b>	Mouse, Rat
<b>Form</b>	Liquid

Conjugation	APC
Purification	Protein G purification
Isotype	IgG2a
Recommend Usage	Flow Cytometry Immunocytochemistry (1:100) Immunofluorescence (1:100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western Blot analysis of rat brain tissue lysate with Mmp9 monoclonal antibody, clone S51-82 (APC) (Cat # MAB16989).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

Immunocytochemical staining of NIH/3T3 with Mmp9 monoclonal antibody, clone S51-82 (APC) (Cat # MAB16989). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Mmp9 Antibody and (D) Composite.

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

## Gene Info — Mmp9

Entrez GeneID [81687](#)

Protein Accession# [P50282](#)

Gene Name	Mmp9
Gene Alias	-
Gene Description	matrix metalloproteinase 9
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	92-kDa type IV collagenase)
Other Designations	92-kDa type IV collagenase gelatinase B matrix metalloproteinase 9 matrix metalloproteinase 9 (gelatinase B 92-kDa type IV collagenase) matrix metalloproteinase 9 (gelatinase B, 92-kDa type I V collagenase)

## Publication Reference

- [A functional polymorphism in THBS2 that affects alternative splicing and MMP binding is associated with lumbar-disc herniation.](#)

Hirose Y, Chiba K, Karasugi T, Nakajima M, Kawaguchi Y, Mikami Y, Furuichi T, Mio F, Miyake A, Miyamoto T, Ozaki K, Takahashi A, Mizuta H, Kubo T, Kimura T, Tanaka T, Toyama Y, Ikegawa S.

American Journal of Human Genetics 2008 May; 82(5):1122.