



## Polyclonal Anti- matrix metalloproteinase 9, *MMP-9* (Sepharose Bead Conjugate)

**Catalogue No.** PA1357-S

**Lot No.** 01310123457124

**Ig type:** rabbit IgG

**Size:** 100µg/vial

### Specificity

Human, rat. No cross reactivity with other proteins.

### Recommended application

(Immunoprecipitation(IP))

### Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human MMP-9 (689-705aa), different from the mouse sequence by two amino acids.

### Purification

Immunogen affinity purified.

### Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

### Storage

Store at 4°C for frequent use.

### Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

## BACKGROUND

Matrix metalloproteinase 9 (MMP-9), also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B (GELB), is an enzyme that in humans is encoded by the *MMP9* gene. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes. Most MMPs 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.

## REFERENCE

1.Template:, 92kDa type IV collagenase) 2.Yuichiro Hirose et al. (May 2008). "A Functional Polymorphism in THBS2 that Affects Alternative Splicing and MMP Binding Is Associated with Lumbar-Disc Herniation".

**For Research Use Only not for diagnostic and clinical use**

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email:Info@antageneinc.com