

## MMP-9 Polyclonal Antibody

<b>CATALOG #:</b>	5565-100
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	<i>E. coli</i> -expressed active rat 92-kDa type IV collagenase (catalytic domain)
<b>SPECIES REACTIVITY:</b>	rat

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-rat MMP-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND DESCRIPTION:

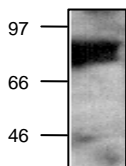
The mammalian Matrix metalloproteinases (MMPs) degrade extracellular matrix in physiological and pathological processes. After cleavage of a single peptide domain of about 20 amino acids, the MMPs are secreted in latent forms. Upon activation, the N-terminal propeptide domain is cleaved to generate the active forms of MMP. MMP-9 (92 kDa type IV collagenase, Gelatinase-B) contains the basic structure of propeptide, catalytic, and hemopexin domains. It is an important proteinase in tissue remodeling.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml), immunoprecipitation (4-8 µg/ml), and immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody detects the 92 kDa active form of MMP-9. It has no cross-reactivity with other MMP family members. Cross-reactivity to MMP-9 of other species has not been determined.



MMP-9

**Cat.# 5565-100**  
Western blot analysis of  
MMP-9 in the supernatant of  
rat MMP transfected cells.

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