

MMP-2 Polyclonal Antibody

CATALOG #:	5562-100
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	<i>E. coli</i> -expressed active rat 72-kDa type IV collagenase (catalytic domain)
SPECIES REACTIVITY:	rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-rat MMP-2 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.

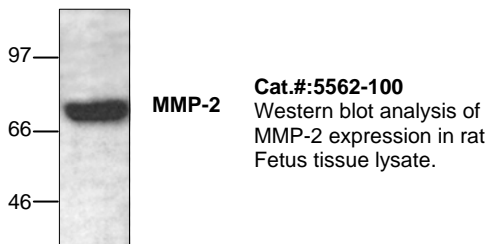
BACKGROUND DESCRIPTION:

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-2 (72 kDa type IV collagenase, Gelatinase-A) contains the basic structure of propeptide, catalytic, and hemopexin domains. It is an important proteinase in tissue remodeling.

APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 µg/ml) and immunoprecipitation (4-8 µg/ml). However, the optimal conditions should be determined individually. The antibody has no cross-reactivity with other MMP family members. Cross-reactivity to MMP-2 of other species has not been determined.

NOTE: For Research Use Only! Not to be used in humans.



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