

MMP-2 Polyclonal Antibody

CATALOG #:	5562R-100
AMOUNT:	100 µg
LOT #:	_____
IMMUNOGEN:	<i>E. coli</i> -expressed recombinant human MMP-2
INTERNAL ID#:	BV-G45
HOST:	Rabbit
SPECIES:	Human

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human MMP-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

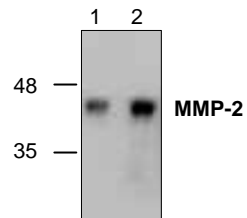
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-2 (also designated type IV collagenase) cleaves collagen types IV, V, VII and X and gelatin type I. Activation of MMP-2 secretion requires the Ras signaling pathway.

APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (0.5-4 µg/ml). Recombinant human MMP-2 (Cat.# 7782-10) can be used as a positive control. However, the optimal conditions should be determined individually.



Cat. #: 5562R-100
Western blot analysis
using recombinant
human MMP-2.
Lane 1: 100 ng
Lane 2: 200 ng

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