

Anti-MMP-13 Polyclonal Antibody

CATALOG #:	3533-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 454 of rat MMP-13 (Internal ID# BV-928)
SPECIES REACTIVITY:	human (mouse, rat, horse, rabbit, bovine)

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 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.

BACKGROUND:

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-13 (also designated collagenase-3) is produced by breast carcinomas and degrades collagen type I, II, III.

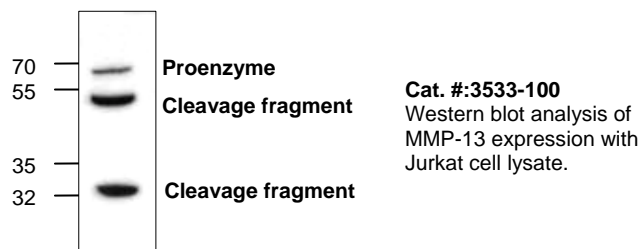
SPECIFICITY:

The antibody recognizes the proenzyme (~60 kDa) and the cleaved fragments (34 kDa and 48 kDa) of MMP-13. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researcher's feedback, it can also be used in immunoprecipitation and immunohistochemistry (works with paraffin imbedded sections). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3533BP-50) is available separately.

USAGE: For In Vitro Research Use Only. Not to be used in humans.



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