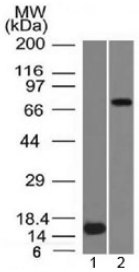
MMP2 Antibody [clone MMP2/1501] (V3247)

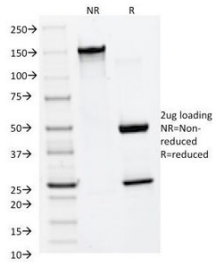
Catalog No.	Formulation	Size
V3247-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3247-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3247SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MMP2/1501
Purity	Protein G affinity chromatography
UniProt	P08253
Localization	Cytoplasmic, cell surface
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MMP2 antibody is available for research use only.



Western blot testing of 1) a partial recombinant protein and 2) human U87 cell lysate with MMP2 antibody (clone MMP2/1501). Expected molecular weight: ~72 kDa (pro form), ~63 kDa (cleaved form).



SDS-PAGE Analysis of Purified, BSA-Free MMP2 Antibody (clone MMP2/1501). Confirmation of Integrity and Purity of the Antibody.

Description

It recognizes a protein of 72 kDa, which is identified as MMP2. 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. MMP2 (also designated type IV collagenase) cleaves collagen types IV,V, VII and X and gelatin type I. Activation of MMP2 secretion requires the Ras signaling pathway.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MMP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 195-319 were used as the immunogen for the MMP2 antibody.

Storage

Store the MMP2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).