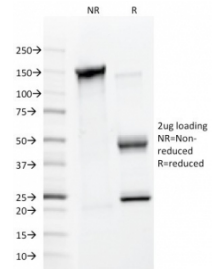
MMP2 Antibody / Matrix metalloproteinase 2 [clone 4D3] (V4430)

Catalog No.	Formulation	Size
V4430-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4430-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4430SAF-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
Clone Name	4D3
Purity	Protein A/G affinity
UniProt	P08253
Localization	Cytoplasm, Cell Surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This MMP2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free MMP2 antibody (clone 4D3) as confirmation of integrity and purity.

Description

It recognizes a protein of 72kDa, 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. 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 Notes

Optimal dilution of the MMP2 antibody should be determined by the researcher.

Immunogen

A recombinant human MMP2 protein fragment (within amino acids 557-569) was used as the immunogen for the MMP2 antibody.

Storage

Aliquot the MMP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.