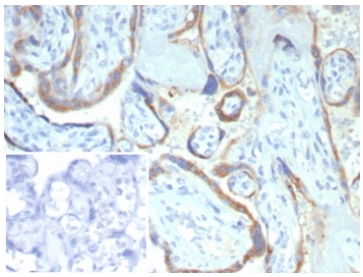
# Matrix metalloproteinase 2 Antibody / MMP2 [clone MMP2/4586] (V4431)

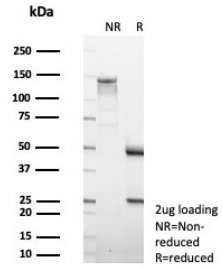
| Catalog No. | Formulation | Size |
|---|---|---|
| V4431-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4431-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4431SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | MMP2/4586 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P08253 |
| **Localization** | Cytoplasm, Cell Surface |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT |
| **Limitations** | This Matrix metalloproteinase 2 antibody is available for research use only. |



IHC staining of FFPE human placental tissue with Matrix metalloproteinase 2 antibody (clone MMP2/4586). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Matrix metalloproteinase 2 antibody (clone MMP2/4586) 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 Matrix metalloproteinase 2 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein was used as the immunogen for the Matrix metalloproteinase 2 antibody.

## Storage

Aliquot the Matrix metalloproteinase 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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