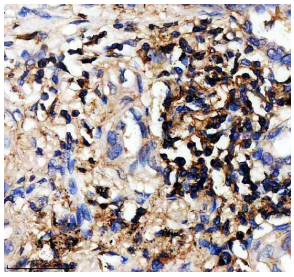
# EMILIN2 Antibody / EMILIN-2 Antibody (FY13613)

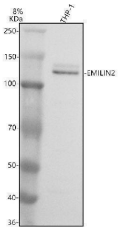
| Catalog No. | Formulation | Size |
|---|---|---|
| FY13613 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

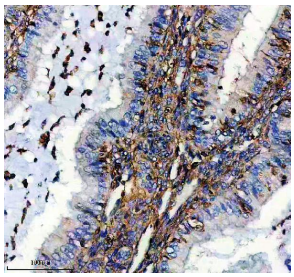
| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Buffer** | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| **UniProt** | Q9BXX0 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>ELISA: 0.1-0.5 ug/ml |
| **Limitations** | For research use only, this EMILIN2 Antibody / EMILIN-2 Antibody is not intended for diagnostic or therapeutic use. |



EMILIN2 Antibody by IHC in human lung carcinoma. Immunohistochemistry of paraffin-embedded human lung carcinoma using EMILIN-2 Antibody demonstrates strong brown extracellular and pericellular staining among tumor and stromal cells. Heat-mediated antigen retrieval was performed with EDTA buffer at pH 8.0, followed by blocking with 10% goat serum. Sections were incubated with primary antibody at 2 ug/mL overnight at 4oC. HRP-conjugated secondary antibody and DAB chromogen produced the brown reaction product, while hematoxylin counterstained cell nuclei blue.




EMILIN2 Antibody by WB in human THP-1 cells. Western blot analysis using EMILIN-2 Antibody detects a prominent band consistent with the expected molecular weight of approximately 116 kDa in human THP-1 whole-cell lysate (lane 1). The band migrates near 125 kDa. Reduced samples containing 30 ug total protein per lane were separated under reducing conditions by 8% SDS-PAGE and transferred to nitrocellulose. Following blocking with 5% nonfat milk, membranes were incubated with primary antibody at 0.5 ug/mL overnight at 4oC. Bound antibody was visualized with HRP-conjugated secondary antibody and chemiluminescent substrate.



EMILIN2 Antibody by IHC in human endometrial carcinoma. Immunohistochemistry of paraffin-embedded human endometrial carcinoma using EMILIN-2 Antibody demonstrates brown staining concentrated around malignant glandular structures and associated extracellular matrix. Heat-mediated antigen retrieval was performed with EDTA buffer at pH 8.0, followed by blocking with 10% goat serum. Sections were incubated with primary antibody at 2 ug/mL overnight at 4oC. HRP-conjugated secondary antibody and DAB chromogen produced the brown reaction product, while hematoxylin counterstained cell nuclei blue.

## Description

EMILIN2 Antibody / EMILIN-2 Antibody recognizes EMILIN2, a protein with important roles in cellular physiology. EMILIN2 is an extracellular matrix glycoprotein belonging to the EMILIN family, whose members contain characteristic structural domains associated with elastic-fiber and matrix biology. Extracellular matrix proteins provide more than passive tissue support: they help organize the physical environment surrounding cells and can influence adhesion, survival, migration, and communication with neighboring tissues.

EMILIN2 contains an N-terminal EMI domain and additional regions that contribute to its interactions within the extracellular environment. It has been studied in relation to cell adhesion and the regulation of signaling processes influenced by matrix composition. Some reports have implicated EMILIN2 in pathways affecting cell death or tumor-associated behavior, but the precise contributions of the protein can differ between experimental models and tissue contexts. EMILIN-2 Antibody is a useful designation for this molecular target.

The extracellular matrix is continuously remodeled during development, tissue repair, and pathological changes. Proteins such as EMILIN2 may participate in the balance between structural organization and signaling cues presented to cells. Matrix-associated factors can influence how cells respond to mechanical forces and to soluble growth or survival signals, making their localization and binding relationships biologically consequential.

EMILIN2 remains less comprehensively characterized than many abundant structural matrix proteins. Its domain architecture and reported biological interactions support continued investigation of its specific partners and tissue-dependent functions. The protein offers a useful example of how extracellular macromolecules can combine architectural properties with potential regulatory activities in tissue homeostasis and disease. NSJ Bioreagents provides EMILIN2 Antibody for research into the molecular biology of EMILIN2. An EMILIN2 Antibody supports investigation of the biological processes associated with this protein.

Explore related research targets in our Cell Biology Antibodies collection.

## Application Notes

The ideal working dilution for the EMILIN2 Antibody / EMILIN-2 Antibody should be established by the investigator based on assay conditions.

## Immunogen

The EMILIN2 Antibody was generated using e. coli-derived human EMILIN2 recombinant protein (amino acids V170-T1001).

## Storage

After reconstitution, keep the EMILIN2 Antibody at 4oC for up to one month. Alternatively, store aliquots at -20oC for up to six months. Avoid multiple freezing and thawing cycles.

## Alternate Names

EMILIN2 antibody, EMILIN-2 antibody, elastin microfibril interfacer 2 antibody, EMILIN 2 antibody, FOAP 10 antibody,

Protein FOAP 10 antibody


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