

## Product datasheet for AM31890PU-N

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## **EMILIN2 Rat Monoclonal Antibody [Clone ID: 828B3B3]**

**Product data:** 

**Product Type:** Primary Antibodies

Clone Name: 828B3B3
Applications: FC, IP, WB

**Recommended Dilution:** Western Blot: Use at 1-5 µg/ml.

IF/Immunohistochemistry on Frozen Sections.

Immunoprecipitation.

**FACS Analysis.** 

Reactivity: Human
Host: Rat
Isotype: IgG2b

Clonality: Monoclonal

**Immunogen:** Recombinant protein gC1q domain of EMILIN-2.

**Specificity:** This antibody was selected for its ability to detect Human Emilin-2.

Formulation: PBS

State: Purified

State: Lyophilized (0.2 µm filtered) purified IgG fraction

**Reconstitution Method:** Centrifuge vial prior to opening.

Restore in sterile water to the final concentration of 0.1-1.0 mg/ml.

**Purification:** Affinity Chromatography on Protein G

Conjugation: Unconjugated

**Storage:** Prior to reconstitution store at 2-8°C.

Following reconstitution store undiluted at 2-8°C for one month

or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**Gene Name:** elastin microfibril interfacer 2

**Database Link:** Entrez Gene 84034 Human

Q9BXX0



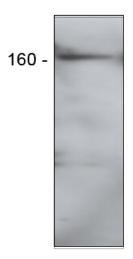


Background:

Emilins (elastin microfibril interface located proteins) are extracellular matrix glycoproteins that localize to sites with proximity to elastin and microfibrils. They consist of an N-terminal cysteine-rich EMI domain and a conserved C-terminal gC1q-like domain. Emilin-1 is abundant in elastin-rich tissues such as blood vessels, skin, heart and lung. It influences placenta formation and initial organogenesis with a later role in interstitial connective tissue. Emilin-2 is larger than Emilin-1 and contains a unique proline-rich domain. It is likely involved in the process of elastogenesis. Multimerin-2 (also known as Emilin-3 or EndoGlyx-1) is expressed during embryonic development. Multimerin-1 (also known as Emilin-4) is expressed in platelets and the endothelium of blood vessels and may act as a carrier protein for platelet factor V. Emilin-5 is encoded by the Emilin-3 gene and is sometimes referred to as Emilin-3. It contains the N-terminal cysteine-rich EMI domain but lacks the C-terminal gC1q-like domain. Emilin-5 is expressed in human mesenchymal stem cells and plays an important role in skeletal development.

**Synonyms:** EMILIN-2, Protein FOAP-10

## **Product images:**



Western analysis using Emilin-2 antibody. 20ng of recombinant Human Emilin-2 was loaded, 5 ug/ml of anti-Human Emilin-2 was used (ECL, 45 sec expostion).