

Product datasheet for **AM31890PU-N**

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 interfacier 2
Database Link:	Entrez Gene 84034 Human Q9BXX0



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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 exposition).