EMILIN-1 (N-17): sc-27568

**BACKGROUND**

EMILIN (elastin microfibril interface located protein) is an extracellular matrix glycoprotein that localizes to sites where elastin and microfibrils are in proximity. EMILIN protein is abundant in elastin-rich tissues such as blood vessels, skin, heart, and lung. EMILIN-1 influences placenta formation and initial organogenesis and a later role in interstitial connective tissue.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: EMILIN1 (human) mapping to 2p23.3; Emilin1 (mouse) mapping to 5 B1.

**SOURCE**

EMILIN-1 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of EMILIN-1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-27568 P. (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**APPLICATIONS**

EMILIN-1 (N-17) is recommended for detection of EMILIN-1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

EMILIN-1 (N-17) is also recommended for detection of EMILIN-1 in additional species, including equine, canine, bovine and porcine.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**SELECT PRODUCT CITATIONS**


Try EMILIN-1 (C-6): sc-365737, our highly recommended monoclonal alternative to EMILIN-1 (N-17).