

# EMILIN1 Monoklonaler Antikörper

Katalog-Nr.: 60047-1-Ig **2 Publikationen**

## Allgemeine Informationen

|                                                                                                                                               |                                                                |                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Katalog-Nr.:</b><br>60047-1-Ig                                                                                                             | <b>GenBank-Zugangsnummer:</b><br>BC007530                      | <b>Reinigungsmethode:</b><br>Protein-G-Reinigung                                            |
| <b>Größe:</b><br>150ul, Konzentration: 1300 µg/ml von 11117<br>Nanodrop und 1000 µg/ml durch die<br>Bradford-Methode mit BSA als<br>Standard; | <b>GeneID (NCBI):</b><br>11117                                 | <b>CloneNo.:</b><br>2A5C8                                                                   |
| <b>Wirt:</b><br>Maus                                                                                                                          | <b>Vollständiger Name:</b><br>elastin microfibril interfacer 1 | <b>Empfohlene Verdünnungen:</b><br>WB 1:2000-1:10000<br>IHC 1:1000-1:4000<br>IF 1:200-1:800 |
| <b>Isotyp:</b><br>IgG1                                                                                                                        | <b>Berechnete Masse:</b><br>107 kDa                            |                                                                                             |
| <b>Immunogen Katalognummer:</b><br>AG1016                                                                                                     | <b>Beobachtete Masse:</b><br>120-130 kDa                       |                                                                                             |

## Anwendungen

|                                                                                                                                                           |                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Geprüfte Anwendungen:</b><br>IF, IHC, WB, ELISA                                                                                                        | <b>Positivkontrollen:</b><br>WB : humanes Kolongewebe, humanes Rektumgewebe                                               |
| <b>In Publikationen genannte Anwendungen:</b><br>IF, IHC                                                                                                  | <b>IHC :</b> humanes Ovarialkarzinomgewebe, humanes<br>Kolongewebe, humanes Lungenkarzinomgewebe,<br>humanes Nierengewebe |
| <b>Getestete Reaktivität:</b><br>Human                                                                                                                    | <b>IF :</b> humanes Ovarialkarzinomgewebe,                                                                                |
| <b>Zitierte Arten:</b><br>Human                                                                                                                           |                                                                                                                           |
| <b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b> |                                                                                                                           |

## Hintergrundinformationen

EMILIN1, also named as EMILIN, EMILIN-1, gp115 and EMI, may be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. It has cell adhesive capacity. EMILIN1 is a negative regulator of the transforming growth factor-beta (TGF-beta) signaling, which is involved in blood pressure (BP) homeostasis (PMID:20186130). EMILIN1 may play a key role in hypertensive vascular remodeling. TGFβ proteins are the main regulators of blood vessel development and maintenance, and EMILIN1 inhibits TGFβ signaling by binding specifically to the proTGFβ precursor and preventing its maturation by furin convertases in the extracellular space (PMID:19922630).

## Bemerkenswerte Veröffentlichungen

| Verfasser       | Pubmed ID | Journal            | Anwendung |
|-----------------|-----------|--------------------|-----------|
| Nakatomi Yuka Y | 20701466  | Connect Tissue Res | IF        |
| Fachinelli A A  | 21400085  | Hernia             | IHC       |

## Lagerung

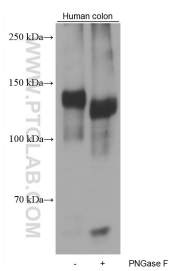
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

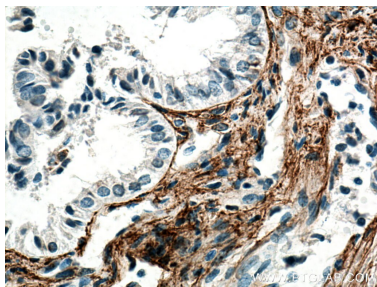
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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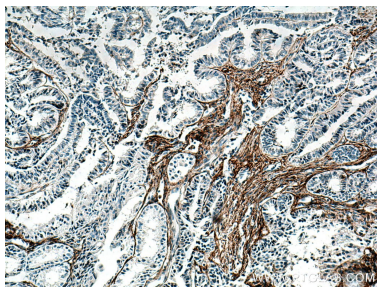
Ausgewählte Validierungsdaten



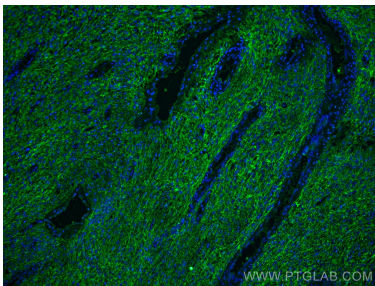
Untreated and PNGase F-treated lysates of human colon tissue were subjected to SDS PAGE followed by western blot with 60047-1-Ig (EMILIN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



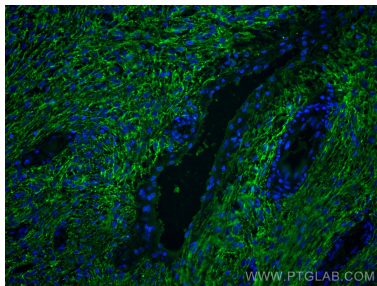
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60047-1-Ig (EMILIN1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60047-1-Ig (EMILIN1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human ovary tumor tissue using EMILIN1 antibody (60047-1-Ig, Clone: 2A5C8 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human ovary tumor tissue using EMILIN1 antibody (60047-1-Ig, Clone: 2A5C8 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).