

# IHCeasy<sup>®</sup> EMILIN1 Ready-To-Use IHC Kit

Catalog Number: **KHC0202**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

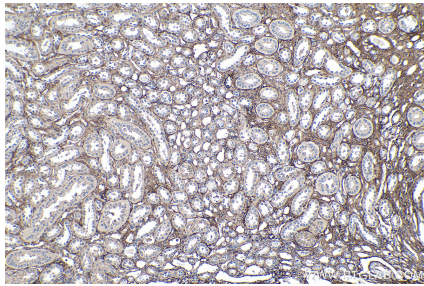
## Background

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. EMILIN1 may play a key role in hypertensive vascular remodeling. TGF  $\beta$  proteins are the main regulators of blood vessel development and maintenance, and EMILIN1 inhibits TGF  $\beta$  signaling by binding specifically to the proTGF  $\beta$  precursor and preventing its maturation by furin convertases in the extracellular space.

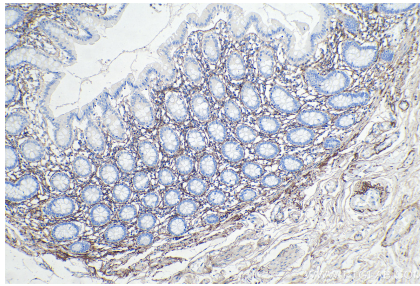
## Synonyms

EMI, EMILIN, EMILIN 1, EMILIN1, gp115

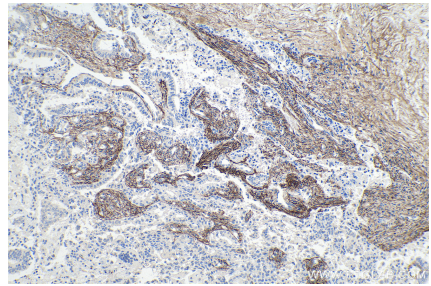
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0202 (EMILIN1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using KHC0202 (EMILIN1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0202 (EMILIN1 IHC Kit).