

Anti-Extracellular matrix protein 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

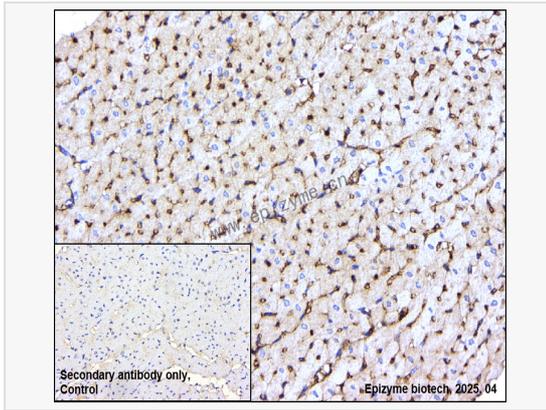
Catalog # R015449

Product Information

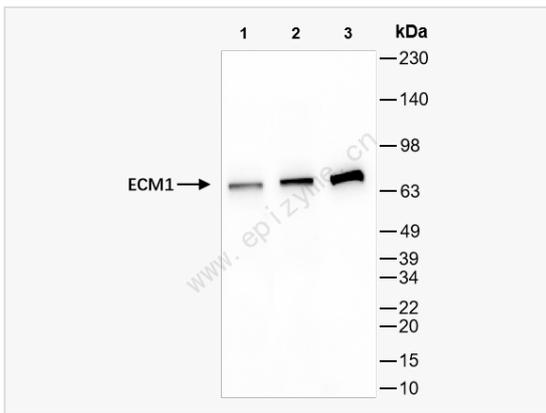
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	92C44P15
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ECM1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

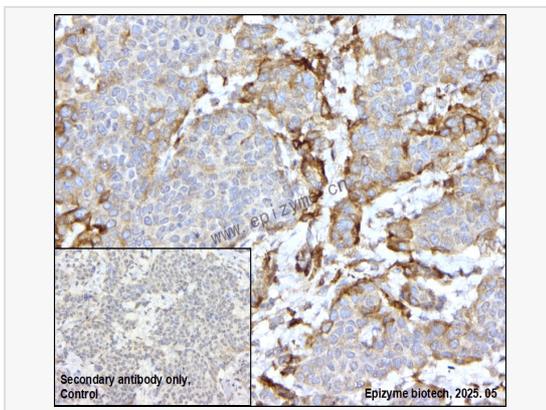
Synonyms	ECM 1; Ecm1; ECM1_HUMAN; Extracellular matrix protein 1; Secretory component p85; URBWD.
Calculated MW	Calculated MW: 61 kDa; Observed MW: 70 kDa
Uniprot ID	Q16610
Gene ID	1893
Background	This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosis cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
Cellular Location	Secreted > extracellular space > extracellular matrix.
Tissue Location	Expressed in breast cancer tissues. Little or no expression observed in normal breast tissues. Expressed in skin; wide expression is observed throughout the dermis with minimal expression in the epidermis.



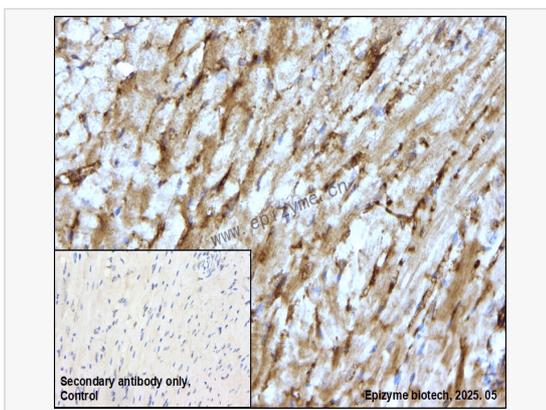
Immunohistochemistry - Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15]
 Sample: Paraformaldehyde-fixed, paraffin embedded rat heart tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015449 at 1:200 dilution
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
 DAB was used as the chromogen.
 Counter stained with hematoxylin.
 Positive/negative staining were presented.
 Only the secondary antibody was used as the negative control.



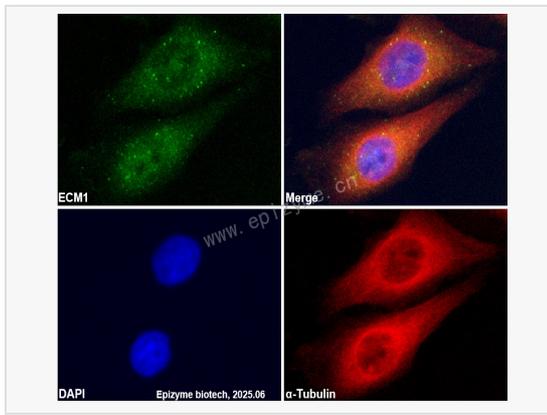
Western Blot - Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15]
 All lanes: R015449 at 1:1,000 dilution
 Lane 1: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
 Lane 2: Mouse heart whole tissue lysates
 Lane 3: Rat heart whole tissue lysates
 Lysates/proteins at 10 µg per lane.
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
 Predicted band size: 61 kDa
 Observed band size: 70 kDa
 Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15]
 Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015449 at 1:200 dilution
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
 DAB was used as the chromogen.
 Counter stained with hematoxylin.
 Positive/negative staining were presented.
 Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15]
 Sample: Paraformaldehyde-fixed, paraffin embedded mouse heart tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015449 at 1:200 dilution
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
 DAB was used as the chromogen.
 Counter stained with hematoxylin.
 Positive/negative staining were presented.
 Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Extracellular matrix protein 1 Rabbit mAb [92C44P15]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015449 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).