



## Rabbit Anti-ECM1 antibody

SL0776R

<b>Product Name:</b>	ECM1
<b>Chinese Name:</b>	Extracellular matrix蛋白1抗体
<b>Alias:</b>	Secretory Component Glycoprotein; ECM 1; Ecm1; ECM1_HUMAN; Extracellular matrix protein 1; Secretory component p85.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	59kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ECM1:488-567/567
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Extracellular matrix protein 1 (ECM1) This family consists of several eukaryotic extracellular matrix protein 1 (ECM1) sequences. ECM1 has been shown to regulate endochondral bone formation, stimulate the proliferation of endothelial cells and induce angiogenesis. Mutations in the ECM1 gene can cause lipoid proteinosis, a disorder which causes generalised thickening of skin, mucosae and certain viscera. Classical features include beaded eyelid papules and laryngeal infiltration leading to hoarseness.

**Function:**

Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.

**Subunit:**

Interacts (via C-terminus) with HSPG2 (via C-terminus). Interacts with EFEMP1/FBLN3 and LAMB3. Interacts with MMP9.

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix.

**Tissue Specificity:**

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.

**DISEASE:**

Lipoid proteinosis (LiP) [MIM:247100]: Rare autosomal recessive disorder characterized by generalized thickening of skin, mucosae and certain viscera. Classical features include beaded eyelid papules and laryngeal infiltration leading to hoarseness. Histologically, there is widespread deposition of hyaline material and disruption/reduplication of basement membrane. Note=The disease is caused by mutations affecting the gene represented in this entry.

**SWISS:**

Q61508

**Gene ID:**

1893

**Database links:**

[Entrez Gene: 1893](#)Human

[Entrez Gene: 116662](#)Rat

[GenBank: NP\\_073155](#)Human

[Omim: 602201](#)Human

[SwissProt: Q16610](#)Human

[SwissProt: Q62894](#)Rat

[Unigene: 81071](#)Human

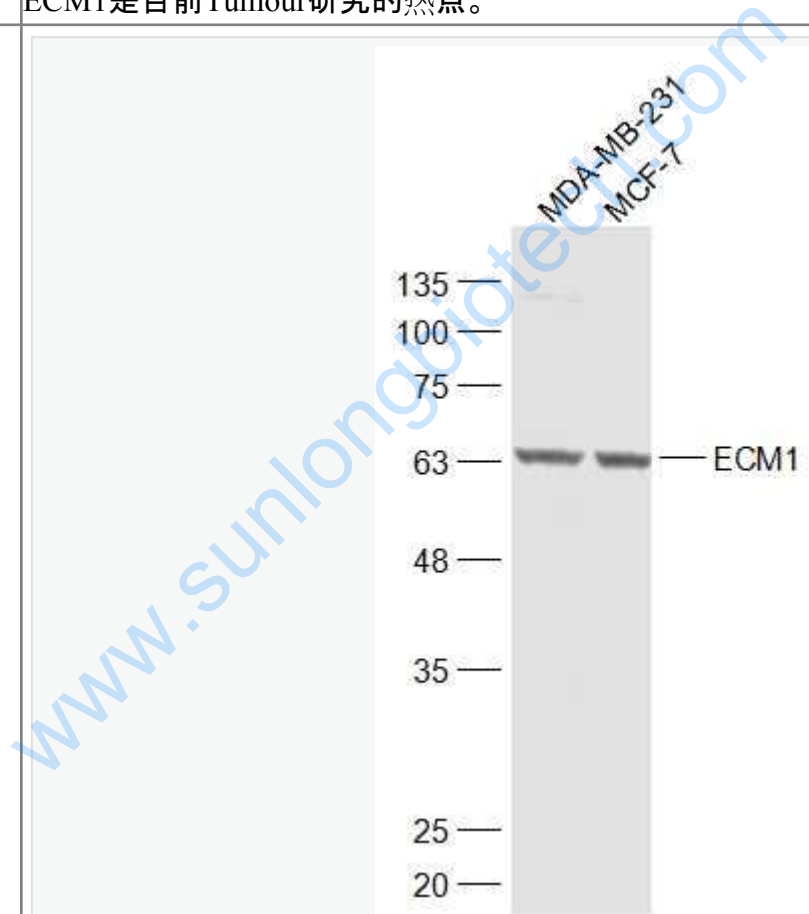
[Unigene: 97792](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ECM1是一种分泌性glycoprotein, ECM1可促进vascular endothelial cell的增殖和血管的生成, 经研究发现, ECM1的表达可能与Tumour及Tumour的转移有关联, 而目前在多种Tumour的研究中也已确认Extracellular matrix与Tumour的发生、发展及转移等有密切的关系, ECM1是目前Tumour研究的热点。

Picture:



Sample:

MDA-MB-231(Mouse) Cell Lysate at 30 ug

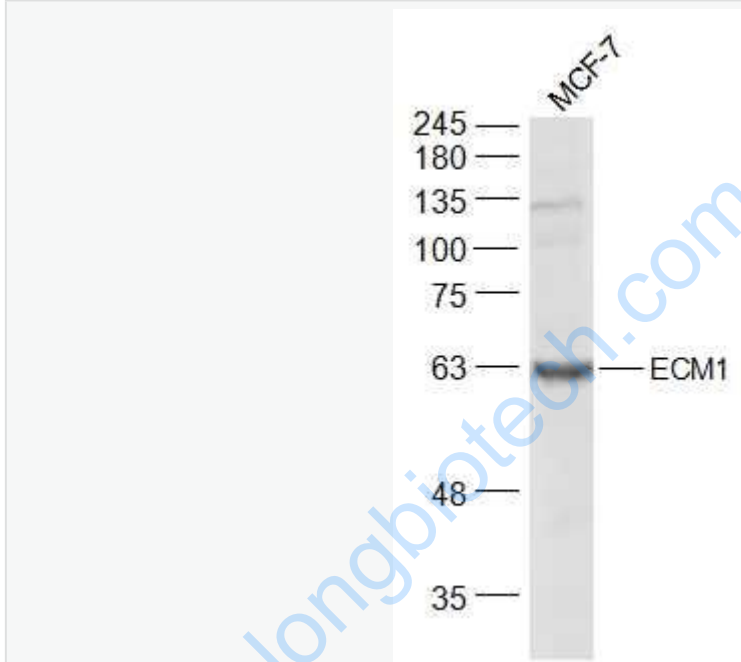
MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti-ECM1 (SL0776R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 65 kD



Sample:

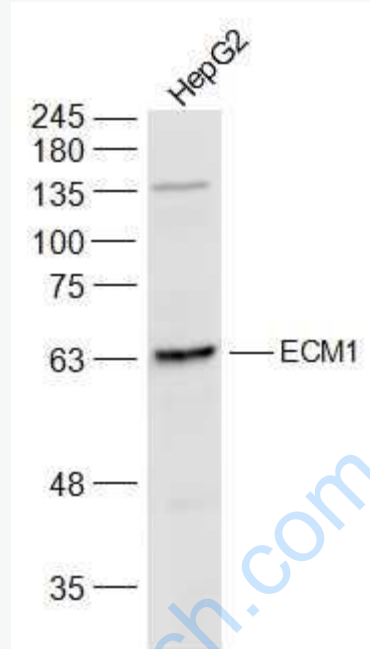
MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti-ECM1 (SL0776R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 64 kD



Sample:

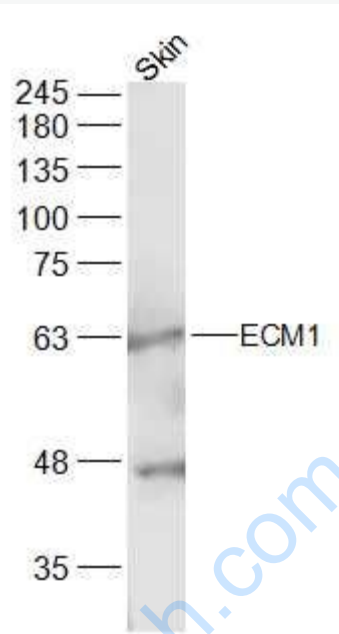
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-ECM1 (SL0776R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 64 kD



Sample:

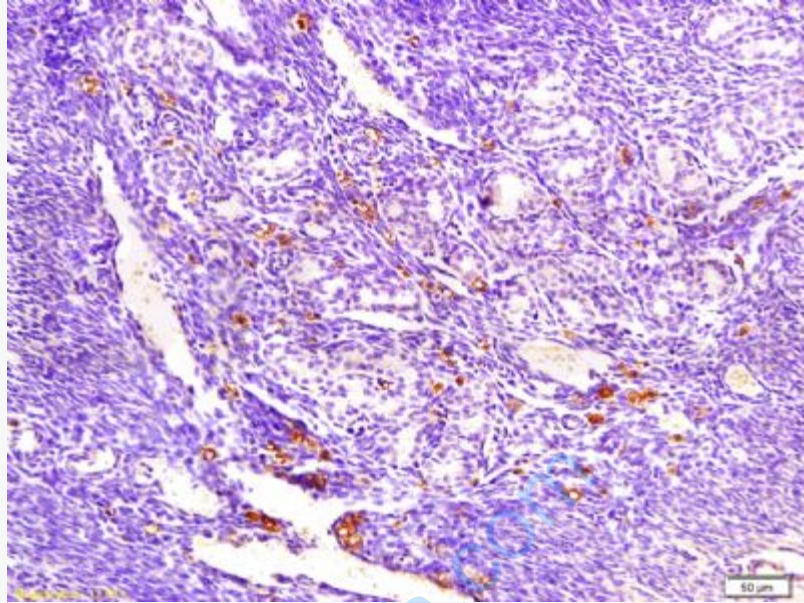
Skin(Mouse) Lysate at 40 ug

Primary: Anti-ECM1 (SL0776R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 64 kD



Tissue/cell: mouse endometrium tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-ECM1 Polyclonal Antibody, Unconjugated(SL0776R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining