

ECM Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10654**Specification**

ECM Antibody - Product Information

Application	WB
Primary Accession	Q61508
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62832

ECM Antibody - Additional Information**Gene ID** 13601

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~61 kDa ECM-1 of human, mouse, and rat origins. Reactivity to other species has not been tested.
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Other Names

ECM1, extracellular matrix protein, extracellular matrix protein 1

Target/Specificity

ECM

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-ECM-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

ECM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ECM Antibody - Protein Information

Name Ecm1

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 (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in the surrounding connective tissues of developing long bones, but not in the cartilage. The long isoform is expressed in a number of tissues including liver, heart and lungs. The short isoform is expressed in skin and cartilage-containing tissues such as tail and front paw. No expression is found in brain

ECM Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ECM Antibody - Images

ECM Antibody - Background

Stearoyl-CoA desaturase (SCD) is a regulatory enzyme involved in the synthesis of oleate and palmitoleate. Oleate and palmitoleate are the main components of membrane phospholipid, triglycerides and cholesterol esters. SCD plays an important role in cellular cholesterol homeostasis and also in the secretion processes of triacylglycerol and phospholipid. Inhibition of SCD could be a useful treatment for metabolic disorders such as obesity and hepatic steatosis.