

Endostatin Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11070**Specification**

Endostatin Antibody - Product Information

Application	WB
Primary Accession	P39059
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	141720

Endostatin Antibody - Additional Information**Gene ID** 1306

Positive Control
Application & Usage

Recombinant human endostatin
Western blotting (0.5-4 µg/ml). However,
the optimal conditions should be
determined individually.

Other Names

Endostatin-XV, Related to endostatin:Restin

Target/Specificity

Endostatin

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-human Endostatin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Endostatin Antibody is for research use only and not for use in diagnostic or therapeutic

procedures.

Endostatin Antibody - Protein Information

Name COL15A1

Function

Structural protein that stabilizes microvessels and muscle cells, both in heart and in skeletal muscle.

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

Tissue Location

Detected in fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717). Detected in placenta (at protein level) (PubMed:32337544). Expressed predominantly in internal organs such as adrenal gland, pancreas and kidney

Endostatin 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](#)

Endostatin Antibody - Images

Endostatin Antibody - Background

Endostatin has been identified as a C-terminal fragment of Collagen type 18, a recently identified member of a family of collagen-like proteins referred to as multiplexin family. Endostatin specifically inhibits proliferation of endothelial cells although it does not affect the proliferation of EOMA cells. Endostatin also potently inhibits angiogenesis and tumor growth. Endostatin has an important role in endothelial cell adhesion and cytoskeletal organization. Endostatin can be found in vessel walls (elastic fibers) and basement membranes. Recombinant Endostatin expressed in yeast causes G1 arrest of endothelial cells, and endostatin treatment results in apoptosis of HUVE and HMVE cells.