

PAA542Hu01

Polyclonal Antibody to Endostatin (ES)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: Endostatin-OVA

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide, Endostatin conjugated to OVA.

Accession No.: CPA542Hu21

Sequence: The target peptide sequence is listed below.

SSRLQDLYSIVRRADR

[RELEVANCE]

Endostatin is a naturally-occurring, 20-kDa C-terminal fragment derived from type XVIII collagen. It is reported to serve as an anti-angiogenic agent, similar to angiostatin and thrombospondin. In-vitro studies have shown endostatin blocks the proliferation and organization of endothelial cells into new blood vessels. In animal studies endostatin inhibited angiogenesis and growth of both primary tumors and secondary metastasis. Endostatin may also be useful as a therapeutic for inflammatory diseases like rheumatoid arthritis as well as Crohn's

disease, diabetic retinopathy, psoriasis, and endometriosis by reducing the infiltration of inflammatory cells through invading angiogenesis.

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against endostatin conjugated to OVA. It has been selected for its ability to recognize endostatin in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.