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Anti-Angiostatin K1-3 Antibody

Catalog # ABO12712

Specification

Anti-Angiostatin K1-3 Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P00747
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Plasminogen(PLG) detection. Tested with WB, IHC-P, ELISA in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Angiostatin K1-3 Antibody - Additional Information

Gene ID 5340

Other Names
Plasminogen, 3.4.21.7, Plasmin heavy chain A, Activation peptide, Angiostatin, Plasmin heavy chain A, short form, Plasmin light chain B, PLG

Calculated MW
90569 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

ELISA , 0.1-0.5 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted . Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin. Interaction with HRG tethers it to the cell surface.

Tissue Specificity
Present in plasma and many other extracellular fluids. It is synthesized in the liver.

Protein Name
Plasminogen

Contents
Each vial contains 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify Carrier Free" or "No BSA" in your order note. "

Immunogen

E. coli-derived human Angiostatin K1-3 recombinant protein(Position: C103-C352).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Sequence Similarities
Belongs to the peptidase S1 family. Plasminogen subfamily.

Anti-Angiostatin K1-3 Antibody - Protein Information

Name PLG

Function
Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1, C4 and C5 (PubMed:6447255). Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells.

Cellular Location
Secreted. Note=Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin. Interaction with HRG tethers it to the cell surface

Tissue Location
Present in plasma and many other extracellular fluids. It is synthesized in the liver

Anti-Angiostatin K1-3 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 Cytomety
- Cell Culture

Anti-Angiostatin K1-3 Antibody - Images

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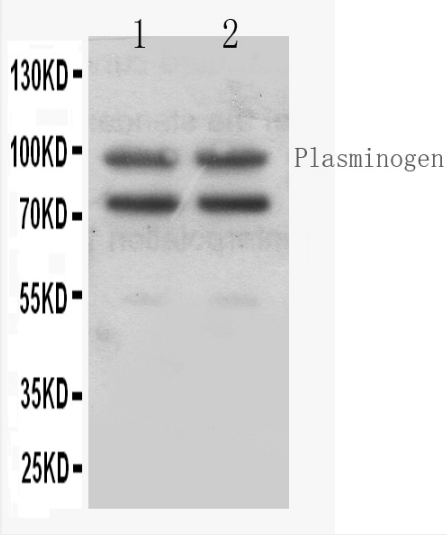

Western blot analysis of Angiostatin K1-3 expression in SMMC7721 whole cell lysates (lane 1) and HEPG2 whole cell lysates (lane 2). Angiostatin K1-3 at 95KD was detected using rabbit anti-Angiostatin K1-3 Antigen Affinity purified polyclonal antibody (Catalog # ABO12712) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-Angiostatin K1-3 Antibody - Background

Ang K1-3 is a single, non-glycosylated polypeptide chain containing 259 amino acids. It represents a proteolytic fragment of plasminogen containing the first three kringle structures. Ang K1-3 reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth. It displays increased inhibitory activity(ED50=70nM) relative to kringles 1-4(ED50 = 135nM).