

Endostatin Polyclonal Antibody

Product Details

Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic Peptide: R(129) R L M/T E S Y C E T W R T E(142)
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2245014

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:500	-
Immunocytochemistry (ICC/IF)	1:200-1:1,000	1 Publication

Product Specific Information

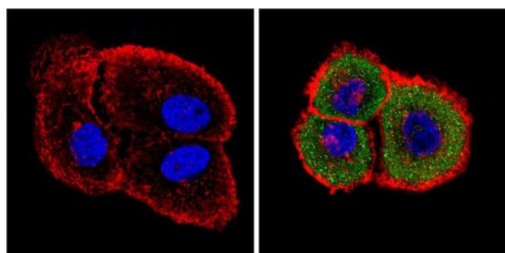
PA1-601 detects recombinant human and mouse endostatin.

PA1-601 has been successfully used in Western blot, IF/ICC and IHC (P) procedures. By Western blot, this antibody detects a 20 kDa protein representing recombinant human endostatin.

PA1-601 immunizing peptides are two peptides derived from mouse and human endostatin protein corresponding to amino acid residues 129-142 of endostatin.

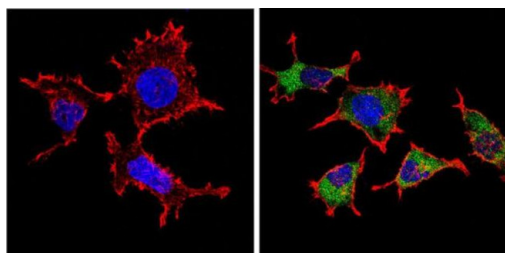
PA1-601 can be used with blocking peptide PEP-112.

Endostatin Antibody (PA1-601) in ICC/IF



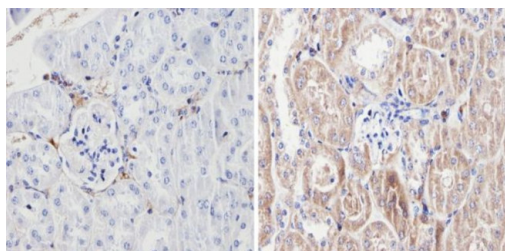
Immunofluorescent analysis of Endostatin (green) showing positive staining in the secretion of A431 cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with an Endostatin polyclonal antibody (Product # PA1-601) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 488-conjugated goat-anti-rabbit IgG secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.

Endostatin Antibody (PA1-601) in ICC/IF



Immunofluorescent analysis of Endostatin (green) showing positive staining in the secretion of 293T cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with an Endostatin polyclonal antibody (Product # PA1-601) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 488-conjugated goat-anti-rabbit IgG secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.

Endostatin Antibody (PA1-601) in IHC (P)



Immunohistochemistry analysis of Endostatin showing positive staining in the secretion of paraffin-treated mouse kidney tissue (right) compared with a negative control in the absence of primary antibody (left). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with an endostatin polyclonal antibody (Product # PA1-601) diluted by 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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Western Blot (2)

<p>The Prostate</p> <p>Interaction between prostate cancer cells and prostate fibroblasts promotes accumulation and proteolytic processing of basement membrane proteins.</p> <p>"PA1-601 was used in Western Blotting to unveil the matrisome in 3D spheroids formed by DU145 prostate cancer cells, PC3 prostate cancer cells, or prostate-derived fibroblasts."</p> <p>Authors: Ojalill M,Virtanen N,Rappu P,Siljamäki E,Taimen P,Heino J</p>	<p>Year 2020</p> <p>Species Human</p>
<p>Cancer science</p> <p>Gene transfer of endostatin enhances the efficacy of doxorubicin to suppress human hepatocellular carcinomas in mice.</p> <p>"Published figure using Endostatin polyclonal antibody (Product # PA1-601) in Western Blot"</p> <p>Authors: Liu F,Tan G,Li J,Dong X,Krissansen GW,Sun X</p>	<p>Year 2007</p> <p>Species Non-human primate</p>

Immunohistochemistry (2)

<p>Experimental eye research</p> <p>Decreased endostatin in db/db retinas is associated with optic disc intravitreal vascularization.</p> <p>"PA1-601 was used in Immunohistochemistry to analyse the intracellular distribution of endostatin in healthy mouse and human neuroretinas."</p> <p>Authors: Bonet A,Valença A,Mendes-Jorge L,Casellas A,Rodríguez-Baeza A,Nacher V,Ramos D,Pampalona J,Simó R, Ruberte J</p>	<p>Year 2021</p> <p>Species Human Mouse</p> <p>Dilution 1:100 1:100</p>
<p>Cells</p> <p>Fibronectin Regulation of Integrin B1 and SLUG in Circulating Tumor Cells.</p> <p>"PA1-601 was used in Immunohistochemistry-immunofluorescence to show CTCs demonstrate enhanced migration in part through fibronectin regulation of integrin B1 and SLUG."</p> <p>Authors: Huaman J,Naidoo M,Zang X,Ogunwobi OO</p>	<p>Year 2019</p> <p>Species Mouse</p> <p>Dilution 1:200</p>

More applications with references on thermofisher.cn

ICC/IF (1)

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