

For Research Use Only

# Endoglin/CD105 Polyclonal antibody



Catalog Number: 30730-1-AP

## Basic Information

<b>Catalog Number:</b> 30730-1-AP	<b>GenBank Accession Number:</b> BC014271	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2022	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:300-1:1200
<b>Source:</b> Rabbit	<b>Full Name:</b> endoglin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 71 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HUVEC cells, human placenta tissue
<b>Species Specificity:</b> Human	<b>IHC :</b> human renal cell carcinoma tissue, human placenta tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulfide-linked subunits of 90-95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF-β) and is involved in vascular development and remodeling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis. (PMID: 1326540; 14528280; 21737653; 12773481)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1%BSA

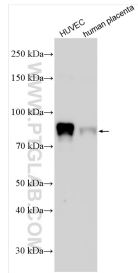
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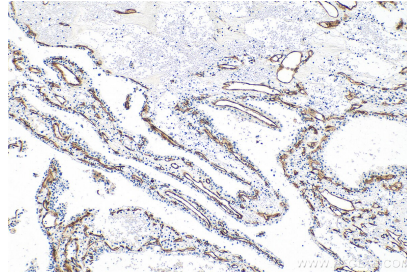
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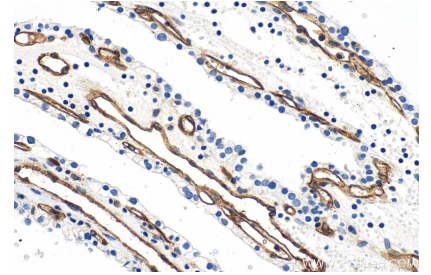
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30730-1-AP (Endoglin/CD105 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 30730-1-AP (Endoglin/CD105 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 30730-1-AP (Endoglin/CD105 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).