

For Research Use Only

# Endoglin/CD105 Recombinant antibody

Catalog Number: 82993-6-RR



## Basic Information

<b>Catalog Number:</b> 82993-6-RR	<b>GenBank Accession Number:</b> BC014271	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2022	<b>CloneNo.:</b> 241196G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17813	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> endoglin	
	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 75-90 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, HUVEC cells, JAR cells
	<b>IHC :</b> human ovary cancer tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-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 (TFG-β) and is involved in vascular development and remodelling. 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

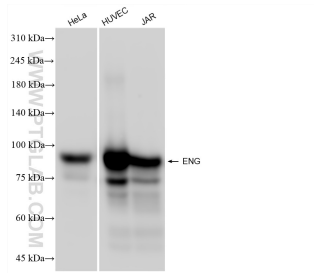
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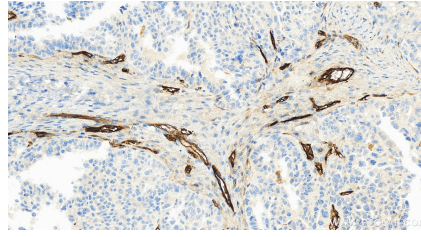
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82993-6-RR (Endoglin/CD105 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 82993-6-RR (Endoglin/CD105 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).