

For Research Use Only

Endoglin/CD105 Recombinant antibody

Catalog Number: 82993-6-RR



Basic Information

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

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, HUVEC cells, JAR cells IHC : human placenta tissue,
Species Specificity: human	

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 (TGF-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

For technical support and original validation data for this product please contact:

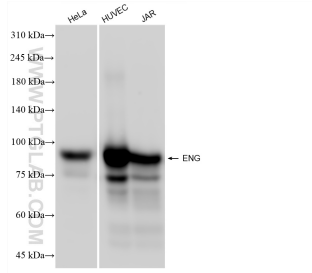
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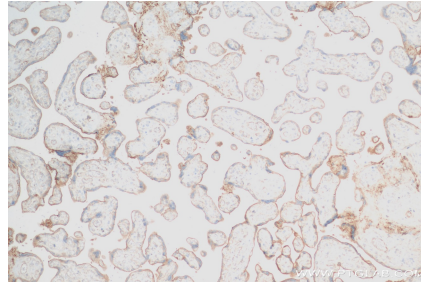
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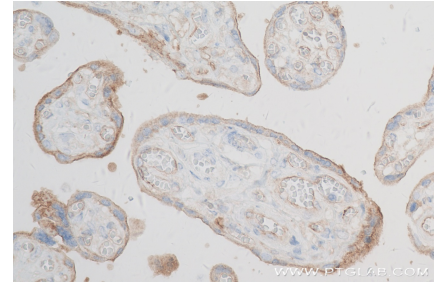
Selected Validation Data



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 placenta tissue slide using 82993-6-RR (Endoglin/CD105 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 82993-6-RR (Endoglin/CD105 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).