

## Endoglin/CD105 Polyclonal antibody

Catalog Number: 28117-1-AP

3 Publications

## Basic Information

## Catalog Number:

28117-1-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG27822

## GenBank Accession Number:

BC014271

## GeneID (NCBI):

2022

## UNIPROT ID:

P17813

## Full Name:

endoglin

## Calculated MW:

71 kDa

## Observed MW:

95 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:300-1:1200

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

IF, IHC

## Species Specificity:

Human

## Cited Species:

human

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

## Positive Controls:

WB : HUVEC cells, human placenta tissue

IHC : human liver cancer tissue, human renal cell carcinoma tissue, human breast cancer tissue, human placenta tissue

## 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Eisei Endo	32493700	Mol Cancer Res	IHC
Yupeng Zhao	38461905	Biochem Pharmacol	IF
Kazuma Yoshida	37730838	Sci Rep	IHC

## 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

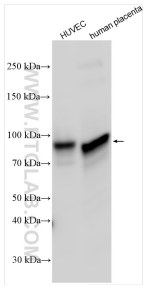
For technical support and original validation data for this product please contact:

T: 4006900926

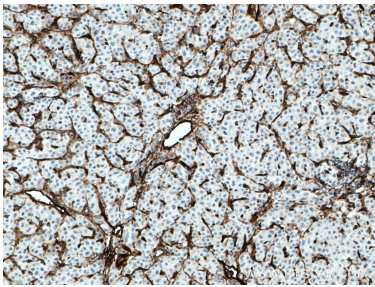
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

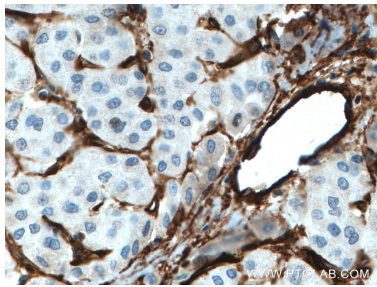
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28117-1-AP (Endoglin/CD105 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28117-1-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 liver cancer tissue slide using 28117-1-AP (Endoglin/CD105 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).