

**CD105**  
**Rabbit Monoclonal antibody(Mab)**  
**Catalog # AD80536****Specification**

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**CD105 - Product info**

Application	IHC-P
Primary Accession	<a href="#">P17813</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	70578

**CD105 - Additional info**

Gene ID	2022
<b>Other Names</b>	
Endoglin, CD105, ENG, END	

**Dilution**  
IHC-P~~Ready-to-use

**Storage**  
Maintain refrigerated at 2-8°C

**CD105 - Protein Information****Name** ENG

Synonyms	END
Function	Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis (PubMed: <a href="#">21737454</a> , PubMed: <a href="#">23300529</a> ). Required for normal structure and integrity of adult vasculature (PubMed: <a href="#">7894484</a> ). Regulates the migration of vascular endothelial cells (PubMed: <a href="#">17540773</a> ). Required for normal extraembryonic angiogenesis and for embryonic heart development (By similarity). May regulate endothelial cell shape changes in response to blood flow, which drive vascular remodeling and establishment of normal vascular morphology during angiogenesis (By similarity). May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors

Cellular Location

Tissue Location

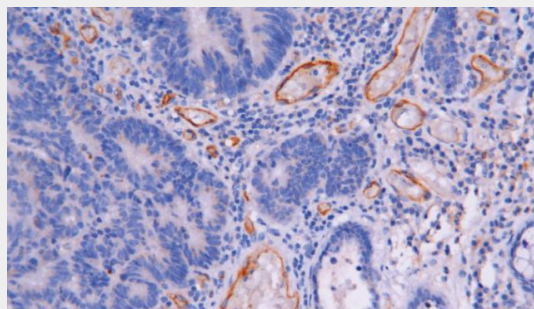
(PubMed:[1692830](#)). Acts as a TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade that ultimately leads to the activation of SMAD transcription factors (PubMed:[21737454](#), PubMed:[22347366](#), PubMed:[23300529](#), PubMed:[8370410](#)). Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGFB1 signaling through SMAD3 (PubMed:[21737454](#), PubMed:[22347366](#), PubMed:[23300529](#)). Cell membrane; Single-pass type I membrane protein  
Detected on umbilical vein endothelial cells (PubMed:[10625079](#)). Detected in placenta (at protein level) (PubMed:[1692830](#)). Detected on endothelial cells (PubMed:[1692830](#))

### CD105 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CD105 - Images



Colon cancer