

Rabbit anti-Mouse Endoglin/CD105 Polyclonal Antibody | anti-ENG antibody

Anti-Endoglin/CD105 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257151	Rabbit	Mouse	Immunohistochemistry, ELISA

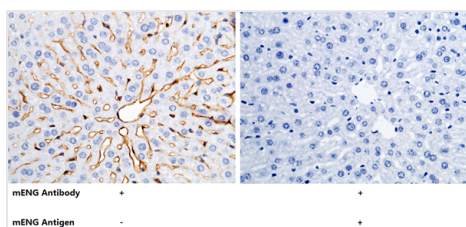
PRODUCT SYNONYMS

Endoglin/CD105; Polyclonal Antibody; Anti-Endoglin/CD105 Antibody; Rabbit Polyclonal; Endoglin/CD105/ENG Antibody; Rabbit PAb; Antigen Affinity Purified; endoglin; Anti-AI528660 Antibody; Anti-AI662476 Antibody; Anti-CD105 Antibody; Anti-Endo Antibody; Anti-S-endoglin Antibody; anti-ENG antibody

PRODUCT SPECIFICATIONS

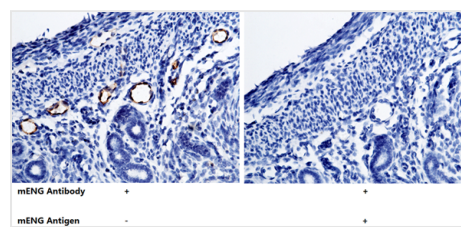
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Endoglin/ENG/CD105
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENG antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse CD105 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse ENG/CD105 extracellular domain (rM Endoglin). ENG/CD105 specific IgG was purified by Mouse ENG/CD105 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse ENG in mouse liver with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)

Immunochemical staining of mouse ENG in mouse uterus with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

ADDITIONAL INFORMATION

Related Product Information for anti-ENG antibody	Endoglin, also known as CD15, is a type I homodimeric transmembrane glycoprotein with a large, disulfide-linked, extracellular region and a short, constitutively phosphorylated cytoplasmic tail. Endoglin contains an RGD tripeptide which is a key recognition structure in cellular adhesion,, suggesting a critical role for endoglin in the binding of endothelial cells to integrins and/or other RGD receptors. Endoglin is highly expressed on vascular endothelial cells, chondrocytes, and syncytiotrophoblasts of term placenta. It is also found on activated monocytes, mesenchymal stem cells and leukemic cells of lymphoid and myeloid lineages. As an accessory receptor for the TGF-beta superfamily ligands, endoglin binds TGF-beta1 and TGF-beta3 with high affinity not by itself but by associating with TGF-beta type II receptor (TbetaRII) and activates the downstream signal pathways. In addition, in human umbilical vein endothelial cells, ALK-1 is also a receptor kinase for endoglin threonine phosphorylation, and mutations in either of the two genes result in the autosomal-dominant vascular dysplasia, hereditary hemorrhagic telangiectasia (HHT). Endoglin has been regarded as a powerful biomarker of neovascularization, and is associated with several solid tumor types.
Product Categories/Family for anti-ENG antibody	Hemangioblast Markers Cancer Drug Targets
References	Bellon T., et al., (1993), Identification and expression of two forms of the human transforming growth factor-beta-binding protein endoglin with distinct cytoplasmic regions. Eur. J. Immunol. 23:2340-2345.Humphray S.J., et al., (2004), DNA sequence and analysis of human chromosome 9.Nature 429:369-374.Gougos A., et al., (1990), Primary structure of endoglin, an RGD-containing glycoprotein of human endothelial cells.J. Biol. Chem. 265:8361-8364.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226437647
NCBI GeneID	13805
NCBI Accession #	NP_031958.2
NCBI GenBank Nucleotide #	NM_007932.2
UniProt Accession #	Q63961; Q61520; Q8K100
Molecular Weight	70,021 Da
NCBI Official Full Name	endoglin isoform 1
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	Eng
NCBI Official Synonym Symbols	Endo; CD105; AI528660; AI662476; S-endoglin
NCBI Protein Information	endoglin; cell surface MJ7/18 antigen; transmembrane glycoprotein
UniProt Protein Name	Endoglin
UniProt Gene Name	Eng
UniProt Synonym Gene Names	Edg
UniProt Entry Name	EGLN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.