

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

Anti-Endoglin/CD105 Antibody, Rabbit Polyclonal

CATALOG # AAA259403	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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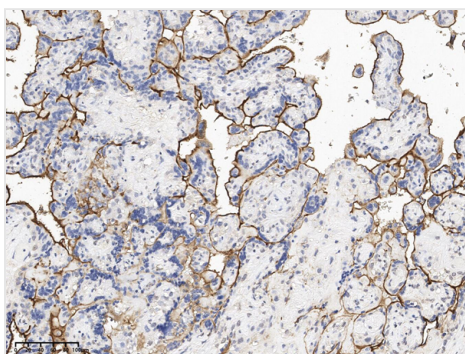
PRODUCT SYNONYMS

Endoglin/CD105; Polyclonal Antibody; Anti-Endoglin/CD105 Antibody; Rabbit Polyclonal; Endoglin/CD105 Antibody; Rabbit PAb; Antigen Affinity Purified; endoglin; Anti-CD105 Antibody; Anti-END Antibody; Anti-HHT1 Antibody; Anti-ORW1 Antibody; anti-ENG antibody

PRODUCT SPECIFICATIONS

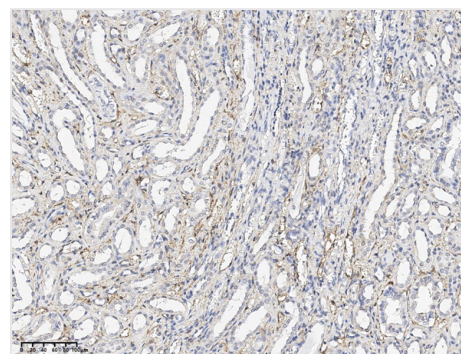
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Endoglin/CD105
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENG antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Endoglin/CD105 Protein (NP_001108225.1; Met1-Gly586). Endoglin/CD105 specific IgG was purified by Human Endoglin/CD105 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CD105 in human placenta with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CD105 in human kidney with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ENG antibody	Endoglin, also known as CD105, 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	Bello. T.. e. al.,(1993). Identificatio. an. expressio. o. tw. form. o. th. huma. transformin. growt. factor-beta-bindin. protei. endogli. wit. distinc. cytoplasmic regions. Eur. J. Immunol. 23:2340-2345.Humphra. S.J.. e. al.. (2004). DN. sequenc. an. analysi. o. huma. chromosom. 9.Natur. 429:369-374.Gougo. A.. e. al.,(1990). Primar. structur. o. endoglin. a. RGD-containin. glycoprotei. o. huma. endothelia. cells.J. Biol. Chem. 265:8361-8364.

NCBI AND UNIPROT INFORMATION

NCBI GI #	168693647
NCBI GeneID	2022
NCBI Accession #	NP_001108225.1
NCBI GenBank Nucleotide #	NM_001114753.2
Molecular Weight	67,542 Da
NCBI Official Full Name	endoglin isoform 1
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	ENG
NCBI Official Synonym Symbols	END; HHT1; ORW1
NCBI Protein Information	endoglin; CD105 antigen

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.