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

CD105/Endoglin Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28466	**Rabbit**	**Human**	**Western Blot, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

CD105/Endoglin; Monoclonal Antibody; CD105/Endoglin Rabbit mAb; END; HHT1; ORW1; anti-ENG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MDRGTLPLAV ALLLASCSLS PTSLAETVHC DLQPVGPERG EVTYTTSQVS KGCVAQAPNA ILEVHVLFLE FPTGPSQLEL TLQASKQNGT WPREVLLVLS VNSSVFLHLQ ALGIPLHLAY NSSLVTFQEP PGVNTTELPS FPKTQILEWA AERGPITSAA ELNDPQSILL RLGQAQGSLS FCMLEASQDM GRTLEWRPRT
Applicable Applications for anti-ENG antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:5000-1:20000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human CD105/Endoglin (P17813).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohistchemistry)
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD105/Endoglin Rabbit mAb (AAA28466) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human prostate tissue using CD105/Endoglin Rabbit mAb (AAA28466) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using CD105/Endoglin Rabbit mAb (AAA28466) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using CD105/Endoglin Rabbit mAb (AAA28466) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using CD105/Endoglin Rabbit mAb (AAA28466) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

WB (Western Blot)
Western blot analysis of lysates from HUVEC cells, using CD105/Endoglin Rabbit mAb (AAA28466) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-ENG antibody	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ENG antibody	Cancer; Tumor biomarkers; Immunology Inflammation; CDs; Stem Cells; Mesenchymal Stem Cells; Cardiovascular; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557555
NCBI GeneID	2022
NCBI Accession #	NP_000109.1
NCBI GenBank Nucleotide #	NM_000118.2
UniProt Accession #	P17813; Q14248; Q14926; Q5T9C0
Molecular Weight	Calculated MW: 71kDa Observed MW: 90kDa
UniProt Protein Name	Endoglin
UniProt Gene Name	**ENG**
UniProt Synonym Gene Names	END
UniProt Entry Name	EGLN_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cd105-endoglin-antibody-western-blot-immunohistochemistry-elisa/28466