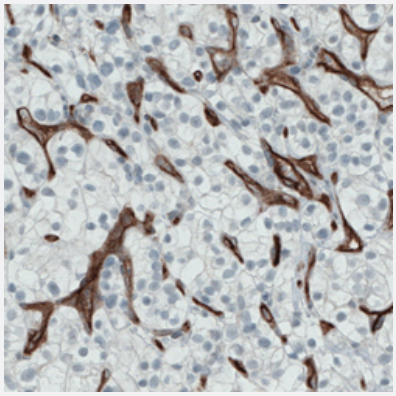
ENG monoclonal antibody, clone CL1912

Catalog # MAB15723 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human renal cancer with ENG monoclonal antibody, clone CL1912 (Cat # MAB15723) shows strong immunoreactivity in the blood vessels.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ENG.
Immunogen	Recombinant protein corresponding to human ENG.
Epitope	This antibody binds to an epitope located within the peptide sequence ASFVELPLASIVSLH as determined by overlapping synthetic peptides.
Sequence	ASFVELPLASIVSLHASSCGGRLQTSPAPIQTTPPKDTCSPELLMSLIQTKCADDAMTLVLKKELV AHLKCTITGLTFWDPSCEAEDRGDKFVLRSAYSSCGMQVSASMISNEAVVNILSSSSPQRK
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — ENG

Entrez GeneID	2022
Protein Accession#	P17813
Gene Name	ENG
Gene Alias	CD105, END, FLJ41744, HHT1, ORW, ORW1
Gene Description	endoglin
Omim ID	131195 187300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the va scular endothelium. This protein is a component of the transforming growth factor beta receptor c omplex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal domin ant multisystemic vascular dysplasia. Alternatively spliced transcript variants encoding different is oforms have been found for this gene. [provided by RefSeq
Other Designations	CD105 antigen|OTTHUMP00000022221|Osler-Rendu-Weber syndrome 1

Disease

- Aneurysm
- Arteriovenous Malformations
- Cardiovascular Diseases
- Central Nervous System Vascular Malformations
- Chromosome Aberrations
- Diabetes Mellitus
- Edema
- Epistaxis
- Genetic Predisposition to Disease
- Heart Defects
- Hypertension
- Intracranial Aneurysm
- Intracranial Arteriovenous Malformations
- Kidney Failure
- Liver Cirrhosis
- Liver Diseases
- Lung Neoplasms
- Pre-Eclampsia
- Pulmonary Disease
- Scleroderma
- Stroke
- Subarachnoid Hemorrhage
- Telangiectasia
- Urinary Bladder Neoplasms

- Werner syndrome