

IHCAb™ CD105 (Endoglin) (BGT-CD105) mouse mAb

Cat #: B-IMW6570

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

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 Information

Applications/Dilution: WB 500-2000 IHC-p 1:100-500. IF 1:50-200

Isotype/Source: Mouse, Monoclonal/IgG2a, Kappa

Specificity: This antibody detects endogenous levels of human CD105(Endoglin). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section

Subcellular Location: Cell membrane ; Single-pass type I membrane protein

Expression: Detected on umbilical vein endothelial cells (PubMed:10625079). Detected in placenta (at protein level) (PubMed:1692830). Detected on endothelial cells (PubMed:1692830).

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -15°C to -25°C

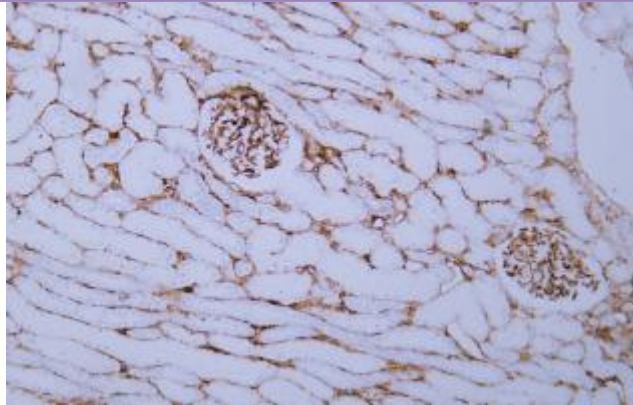


Fig.1. Human kidney tissue was stained with anti-CD105 antibody

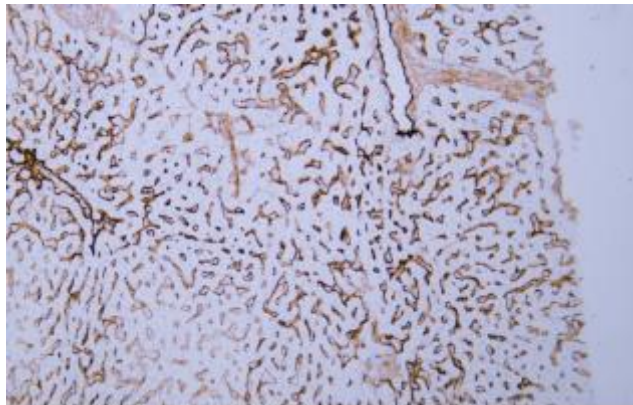


Fig.2. Human liver tissue was stained with anti-CD105 antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.