Anti-CD105 Antibody [A5E8]

HA600077

Product Type:	Mouse monoclonal IgG2b, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 71 kDa.
Clone number:	A5E8

Description: 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.

Immunogen: Recombinant protein within human CD105 aa 101-300.

Positive control: Hela cell lysate, HepG2 cell lysate.

Subcellular location: Cell membrane.

Database links: SwissProt: P17813 Human

Recommended Dilutions:

WB 1:500

Storage Buffer: 1*TBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Protein G affinity purified.

Images

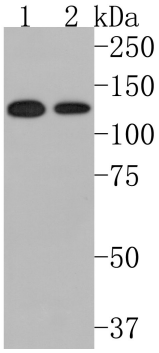

Fig1: Western blot analysis of CD105 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (HA600077, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:20,000 dilution was used for 1 hour at room temperature.
Positive control:
Lane 1: Hela cell lysate
Lane 2: HepG2 cell lysate

Background References

1. Wang X. et. al. CD105 overexpression mediates drug-resistance in choriocarcinoma cells through BMP9/Smad pathway. J Cancer. 2020 Jan
2. Kauer J. et. al. CD105 (Endoglin) as negative prognostic factor in AML. Sci Rep. 2019 Dec