**Affinity Biosciences**
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# CD105 Ab

Images(2)

| | | |
|---|---|---|
| Cat.#: DF7431 | Concn.: ~1mg/ml | Mol.Wt.: 70kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |

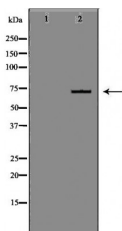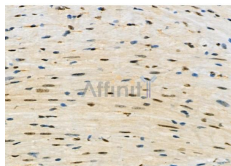| | |
|---|---|
| Application: | WB 1:500-1:2000, IHC 1:50-1:200 |
| | *The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Immunogen: | A synthesized peptide derived from human CD105, corresponding to a region within C-terminal amino acids. |
| Uniprot: | P17813 |
| 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. |



Western blot analysis of MCF7 cell lysates, using ENG Ab. The lane on the left was treated with the antigen-specific peptide.

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DF7431 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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