

## ENG

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**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:200 - 1:2000

**Calculated MW:**71kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human ENG

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CD105; END; FLJ41744; HHT1; ORW; ORW1;

**Catalog #:**A0391

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2022

**Isotype:**IgG

**Swiss Prot:**P17813

**Purity:**Affinity purification

For research use only.

**Background:**

Endoglin (ENG, CD105) is an auxiliary receptor for the TGF- receptor complex, functioning in related signaling pathways (1,2). Endoglin is a transmembrane protein that exists as a disulfide-linked homodimer. It is mainly expressed in vascular and connective tissues and in endothelial and stromal cells. Upregulated endoglin expression has been reported during wound healing and tumor vascularization, and in inflammatory tissues and developing embryos (1-4). Mutations in endoglin have been found to be a causal factor of hereditary hemorrhagic telangiectasia (HHT), a disease characterized by malformation of vascular structure (5,6). The importance of this protein for normal and tumor vascular function makes it a good marker for endothelial cell proliferation as well as a potential therapeutic target in cancer (4-6).

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