

Recombinant

DGRmAb®

CD105 (DGR20444) Rabbit mAb

db14875

Package : 10µL 20µL 50µL 100µL

Product Name : CD105 (DGR20444) Rabbit mAb**Cat.No.:** db14875**Synonyms :** END; HHT1; ORW1**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human**Host species :** Rabbit**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. [provided by RefSeq, May 2013]

Immunogen

Recombinant protein of human CD105

Gene ID

2022

Swiss Prot

P17813

Synonyms

END; HHT1; ORW1

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilutionWB: 1:1000
IHC-P: 1:100
ICC/IF: 1:200-1:500
FC: 1:200-1:500
IP: 1:20-1:50**Calculated MW**

71 kDa

Observed MW

95 kDa

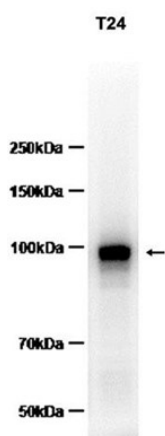
Host species

Rabbit

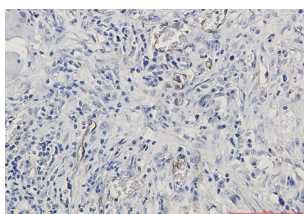
Clonality

Monoclonal

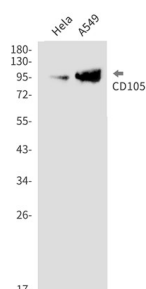
Clonality No.	DGR20444
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



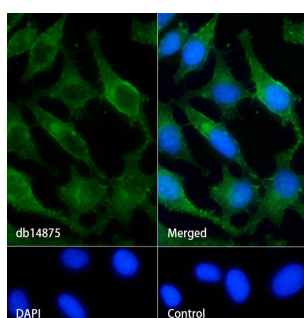
Western blot analysis of extracts from T24 cells using db14875 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer using db14875 antibody.



Western blot analysis of CD105 in HeLa, A549 lysates using CD105 antibody (1:1000 diluted)



Immunofluorescence analysis of HeLa cells labelling CD105 with db14875.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubated with db14875 (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.