Recombinant DGRmAb®

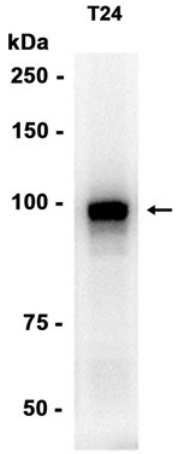
CD105 (DGR20444) Rabbit mAb

db14875 **Package : 10μL 20μL 50μL 100μL**

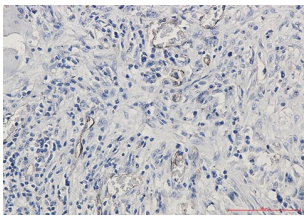
Product Name : CD105 (DGR20444) Rabbit mAb
Cat.No.: db14875
Synonyms : END; HHT1; ORW1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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 dilution	WB: 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

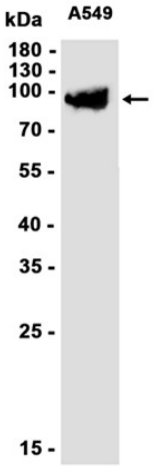
Clonality No.	DGR20444
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



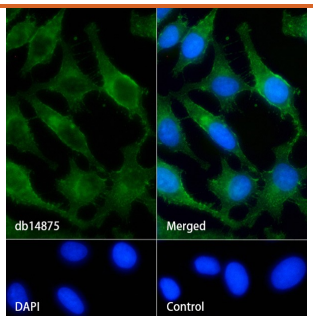
Western blot analysis of extracts from T24 cells using db14875 at 1:1000.



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



Western blot analysis of extracts from A549 cells using db14875 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling CD105 with db14875.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14875 (1:200) at room temprature 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.