

Tie-2/CD202b Recombinant antibody

Catalog Number: 86010-2-RR

Basic Information

Catalog Number:

86010-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3367

GenBank Accession Number:

BC035514

GeneID (NCBI):

7010

UNIPROT ID:

Q02763

Full Name:

TEK tyrosine kinase, endothelial

Calculated MW:

1124 aa, 126 kDa

Observed MW:

120 kDa, 160 kDa

Purification Method:

Protein A purification

CloneNo.:

250234F8

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human placenta tissue, HUVEC cells

Background Information

Tie2 (also known as TEK) is a tyrosine-protein kinase expressed almost exclusively on endothelial cells. It contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. Tie2 acts as a cell-surface receptor for ANGPT1, ANGPT2, and ANGPT4 and regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell spreading, reorganization of the actin cytoskeleton, but also maintenance of vascular quiescence. Mutations in the gene Tie2 are associated with inherited venous malformations of the skin and mucous membranes. Human Tie2 has a calculated molecular weight of 126 kDa. As a result of glycosylation, the apparent molecular mass of Tie2 is approximately 140-160 kDa.

Storage

Storage:

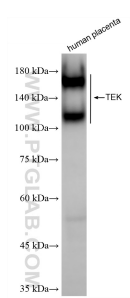
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

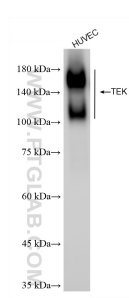
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 86010-2-RR (TEK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



HUVEC cells were subjected to SDS PAGE followed by western blot with 86010-2-RR (TEK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.