

## Tie-2/CD202b Recombinant antibody

Catalog Number: 86010-2-RR

## Basic Information

|                                                                |                                                       |                                                       |
|----------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>86010-2-RR                           | <b>GenBank Accession Number:</b><br>BC035514          | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>7010                         | <b>CloneNo.:</b><br>250234F8                          |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q02763                          | <b>Recommended Dilutions:</b><br>WB: 1:500-1:2000     |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>TEK tyrosine kinase, endothelial |                                                       |
| <b>Immunogen Catalog Number:</b><br>EG3367                     | <b>Calculated MW:</b><br>1124 aa, 126 kDa             |                                                       |
|                                                                | <b>Observed MW:</b><br>120 kDa, 160 kDa               |                                                       |

## Applications

|                                          |                                                                      |
|------------------------------------------|----------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : human placenta tissue, HUVEC cells |
| <b>Species Specificity:</b><br>human     |                                                                      |

## 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

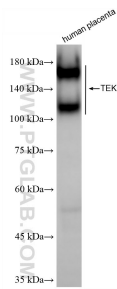
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

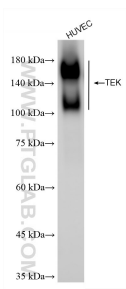
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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Selected Validation Data



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.