

For Research Use Only

Tie2 Polyclonal antibody

Catalog Number: 19157-1-AP **7 Publications**



Basic Information

Catalog Number:

19157-1-AP

Size:

150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13523

GenBank Accession Number:

BC035514

GeneID (NCBI):

7010

Full Name:

TEK tyrosine kinase, endothelial

Calculated MW:

1124 aa, 126 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB : mouse lung tissue, mouse liver tissue

IP : mouse lung tissue,

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 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 of 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Daohai Qian	30359310	Stem Cell Res Ther	WB
Patrick L Garcia	29142067	Mol Cancer Ther	IHC
Xuemei Fan	34112245	Stem Cell Res Ther	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

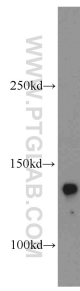
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

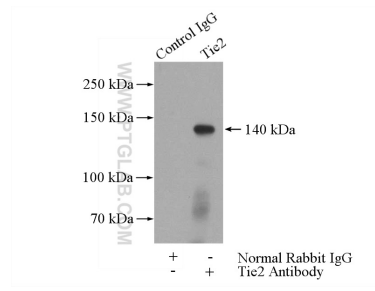
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 19157-1-AP (Tie2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-Tie2 (IP:19157-1-AP, 4ug; Detection:19157-1-AP 1:500) with mouse lung tissue lysate 4000ug.