

For Research Use Only

Tie-2/CD202b Polyclonal antibody, PBS Only

Catalog Number: 19157-1-PBS



Basic Information

Catalog Number: 19157-1-PBS	GenBank Accession Number: BC035514	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7010	
Source: Rabbit	UNIPROT ID: Q02763	
Isotype: IgG	Full Name: TEK tyrosine kinase, endothelial	
Immunogen Catalog Number: AG13523	Calculated MW: 1124 aa, 126 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.

Storage Buffer:
PBS only, pH7.3

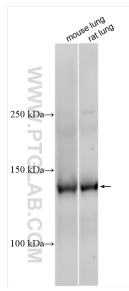
For technical support and original validation data for this product please contact:

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

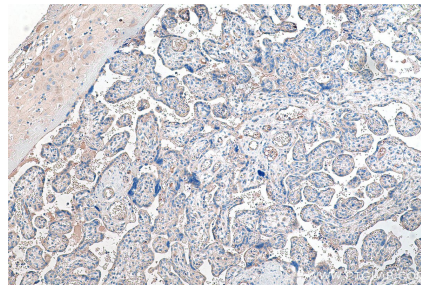
E: proteintech@ptglab.com
W: ptglab.com

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

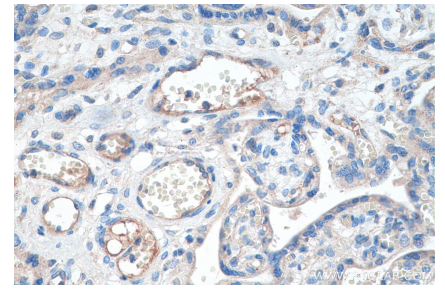
Selected Validation Data



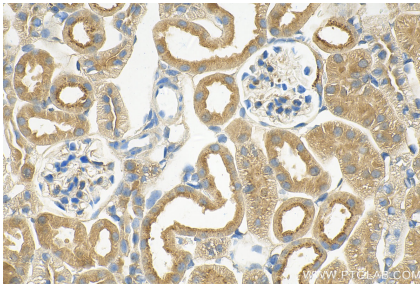
mouse lung tissue were subjected to SDS PAGE followed by western blot with 19157-1-AP (Tie-2/CD202b antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 19157-1-PBS in a different storage buffer formulation.



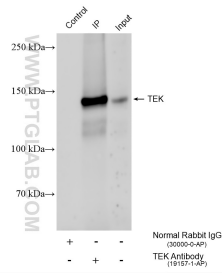
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 19157-1-AP (Tie2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 19157-1-AP (Tie2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 19157-1-AP (Tie2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19157-1-PBS in a different storage buffer formulation.



IP result of anti-Tie-2/CD202b (IP:19157-1-AP, 4ug; Detection:19157-1-AP 1:1000) with mouse lung tissue lysate 1240 ug. This data was developed using the same antibody clone with 19157-1-PBS in a different storage buffer formulation.