

For Research Use Only

Angiopoietin 1 Polyclonal antibody

Catalog Number: 23302-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number: 23302-1-AP	GenBank Accession Number: BC152411	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 284	Recommended Dilutions: WB 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	Full Name: angiopoietin 1	
Isotype: IgG	Calculated MW: 498 aa, 58 kDa	
Immunogen Catalog Number: AG18829	Observed MW: 70 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB: HUVEC cells, mouse liver tissue, HepG2 cells, mouse heart tissue, A375 cells, rat heart tissue, HeLa cells, K-562 cells, C6 cells, U-87 MG cells
Species Specificity: human, mouse, rat	IF: HeLa cells,
Cited Species: human, rat, mouse	

Background Information

Angiopoietin 1 is a 70-kDa secreted glycoprotein generated from vascular mural cells, pericytes, and certain other cells. Angiopoietin 1 participates in vascular differentiation through angiogenesis, which is the process of the growth and remodelling of existing vessels. Angiopoietin 1 is also involved in the maintenance and turnover of blood vessels in mature animals. Angiopoietin 1 binds to and activates the TEK/TIE2 receptor by inducing its dimerization and tyrosine phosphorylation, playing an important role in the regulation of angiogenesis. Overexpression of Angiopoietin 1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer, and other tumors.

Notable Publications

Author	Pubmed ID	Journal	Application
Su-Wei Hu	36155178	Life Sci	WB
Daohai Qian	30359310	Stem Cell Res Ther	WB
Yu Wang	29061393	Neurosci Lett	WB

Storage

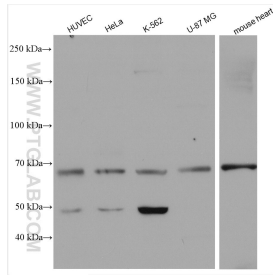
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

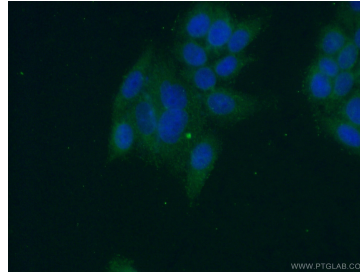
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).