For Research Use Only

Angiopoietin 1 Polyclonal antibody

Catalog Number:23302-1-AP Featured Product 27 Publications

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Basic Information

Catalog Number:
23302-1-AP

Size:
150ul , Concentration: 500 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18829

GenBank Accession Number:
BC152411

GeneID (NCBI):
284

UNIPROT ID:
Q15389

Full Name:
angiopoietin 1

Calculated MW:
498 aa, 58 kDa

Observed MW:
70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Positive Controls:

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

IF/ICC : HeLa cells,

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

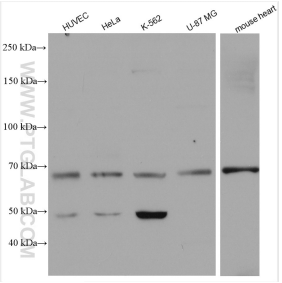
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

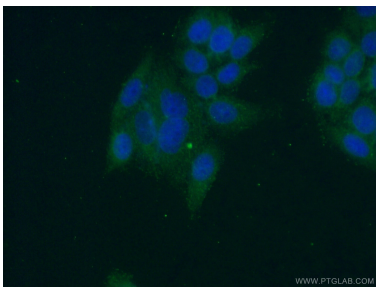
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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).