

For Research Use Only

Angiopoietin 1 Polyclonal ANTIBODY



Catalog Number: 23302-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

23302-1-AP

Size:

150UL, Concentration: 307 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18829

GenBank Accession Number:

BC152411

GeneID (NCBI):

284

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 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse heart tissue, mouse liver tissue, HepG2 cells, A375 cells, rat heart tissue

IF: HeLa cells,

Background Information

Angiopoietin 1 is a 70-kDa secreted glycoprotein synthesized in pericytes.(PMID: 19786610). It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Angiopoietin 1 is fundamental to physiological angiogenesis, including endothelial cell survival, vascular branching, and pericyte recruitment. ANGPT1 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 ANGPT1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer, and other tumors.

Notable Publications

Author	Pubmed ID	Journal	Application
Daohai Qian	30359310	Stem Cell Res Ther	WB
Yu Wang	29061393	Neurosci Lett	WB
Chun Gui	29742506	Cell Physiol Biochem	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

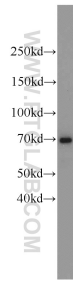
For technical support and original validation data for this product please contact:

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

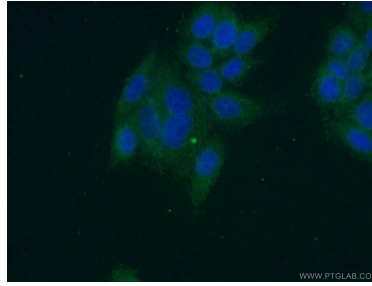
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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



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