

For Research Use Only

# Angiopoietin 1 Monoclonal antibody

Catalog Number: 68618-1-Ig



## Basic Information

Catalog Number:

68618-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

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, 55 kDa

Purification Method:

Protein G purification

CloneNo.:

3C4A3

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : A375 cells, PNGase F treated A375 cells, non-treated U-87 MG cells, PNGase F treated U-87 MG cells, non-treated HuH-7 cells, PNGase F treated HuH-7 MG cells, non-treated bEND.3 cells, PNGase F treated bEND.3 cells

IF/ICC : HUVEC 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.

## 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:

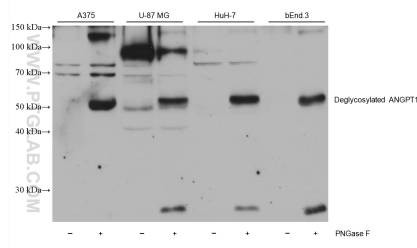
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

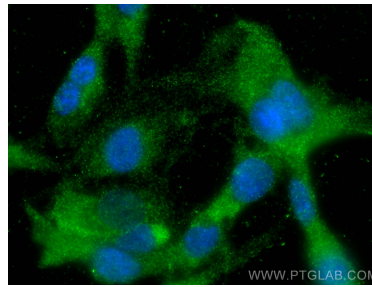
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68618-1-Ig (ANGPT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using Angiopoietin 1 antibody (68618-1-Ig, Clone: 3C4A3 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).