

For Research Use Only

# Angiopoietin 1 Monoclonal antibody, PBS Only



Catalog Number: 68618-1-PBS

## Basic Information

Catalog Number: 68618-1-PBS	GenBank Accession Number: BC152411	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 284	CloneNo.: 3C4A3
Source: Mouse	UNIPROT ID: Q15389	
Isotype: IgG1	Full Name: angiopoietin 1	
Immunogen Catalog Number: AG18829	Calculated MW: 498 aa, 58 kDa	
	Observed MW: 70 kDa, 55 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
Human, 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.

## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

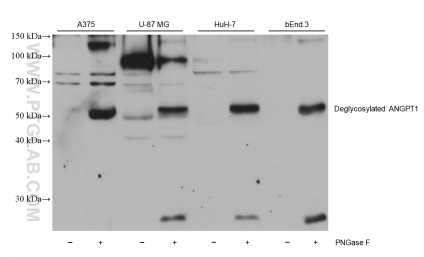
T: 4006900926

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. This data was developed using the same antibody clone with 68618-1-PBS in a different storage buffer formulation.