

For Research Use Only

Angiopoietin 1 Monoclonal antibody

Catalog Number: 68618-1-Ig



Basic Information

Catalog Number: 68618-1-Ig	GenBank Accession Number: BC152411	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 284	CloneNo.: 3C4A3
Source: Mouse	UNIPROT ID: Q15389	Recommended Dilutions: WB 1:2000-1:10000
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, 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

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:

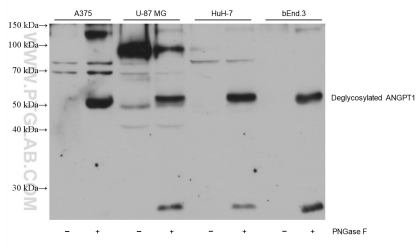
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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