

For Research Use Only

# PICALM Monoclonal antibody, PBS Only



Catalog Number: 67564-1-PBS

## Basic Information

Catalog Number: 67564-1-PBS	GenBank Accession Number: BC064357	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 8301	CloneNo.: 1F6G7
Source: Mouse	UNIPROT ID: Q13492	
Isotype: IgG1	Full Name: phosphatidylinositol binding clathrin assembly protein	
Immunogen Catalog Number: AG29512	Calculated MW: 71 kDa	
	Observed MW: 60-70 kDa	

## Applications

Tested Applications:  
WB, IHC, IF, ELISA

Species Specificity:  
Human, Mouse, Rat

## Background Information

PICALM (Phosphatidyl Inositol Clathrin Assembly Lymphoid Myeloid protein) is a ubiquitously expressed protein that plays a role in clathrin-mediated endocytosis. PICALM also affects the internalization and trafficking of SNAREs and modulates macroautophagy. PICALM is a highly validated genetic risk factor for Alzheimer's disease (AD). The long isoform of human PICALM has 22 exons (encoding PICALML), while the short isoform lacks exon 14 (encoding PICALMS). (PMID: 33397371, PMID: 26075887, PMID: 26005850)

## 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:

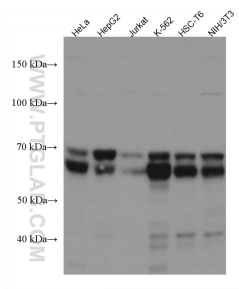
T: 4006900926

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

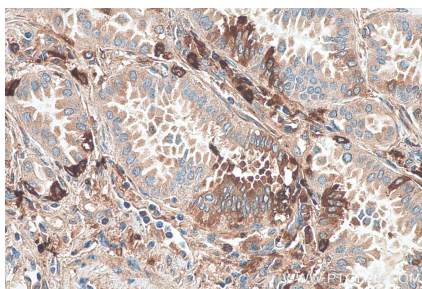
W: [ptgcn.com](http://ptgcn.com)

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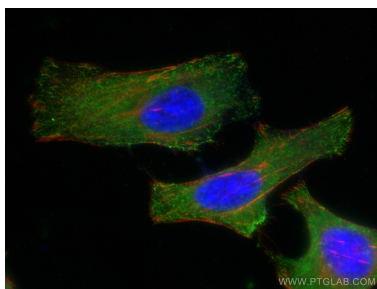
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67564-1-Ig (PICALM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67564-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67564-1-Ig (PICALM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67564-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PICALM antibody (67564-1-Ig, Clone: 1F6G7 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67564-1-PBS in a different storage buffer formulation.