

PICALM Monoclonal antibody

Catalog Number: 67564-1-Ig

Basic Information

Catalog Number: 67564-1-Ig	GenBank Accession Number: BC064357	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 8301	CloneNo.: 1F6G7
Source: Mouse	UNIPROT ID: Q13492	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:200-1:800
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/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IHC : human lung cancer tissue,

IF/ICC : HeLa cells,

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:

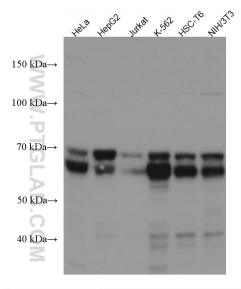
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

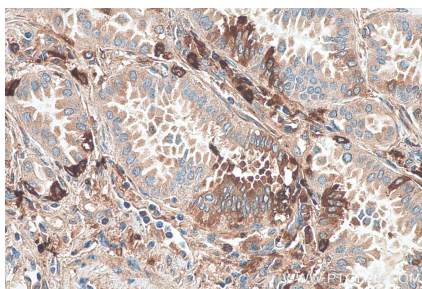
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

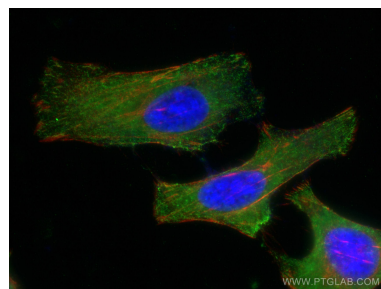
Selected Validation Data



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.



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).



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).