For Research Use Only

PICALM Monoclonal antibody

Catalog Number:67564-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67564-1-Ig

Size:
150ul , Concentration: 1100 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29512

GenBank Accession Number:
BC064357

GeneID (NCBI):
8301

UNIPROT ID:
Q13492

Full Name:
phosphatidylinositol binding clathrin assembly protein

Calculated MW:
71 kDa

Observed MW:
60-70 kDa

Purification Method:
Protein G purification

CloneNo.:
1F6G7

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF, IHC, 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

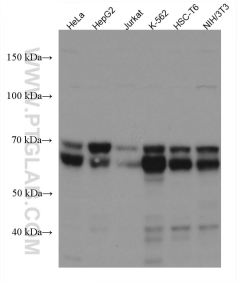
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

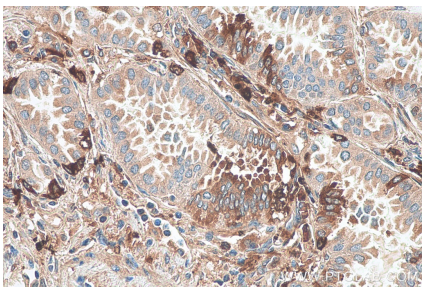
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

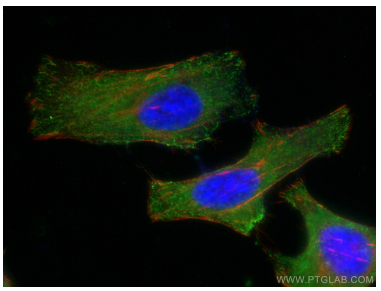
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).