

For Research Use Only

PICALM Recombinant monoclonal antibody, PBS Only

Catalog Number: 87344-1-PBS



Basic Information

Catalog Number: 87344-1-PBS	GenBank Accession Number: NM_007166.3	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8301	CloneNo.: 252594B12
Source: Rabbit	UNIPROT ID: Q13492-1	
Isotype: IgG	Full Name: phosphatidylinositol binding clathrin assembly protein	
Immunogen Catalog Number: EG5966	Calculated MW: 71 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

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.

Storage Buffer:
PBS only, pH7.3

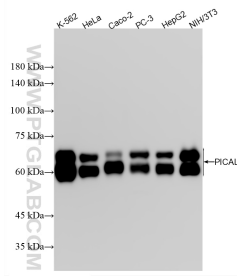
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

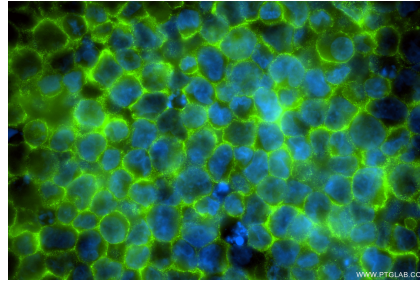
E: proteintech@ptglab.com
W: ptglab.com

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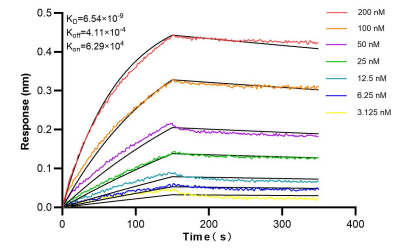
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87344-1-RR (PICALM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87344-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using PICALM antibody (87344-1-RR, Clone: 252594B12) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87344-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87344-1-RR against Human PICALM were performed. The affinity constant is 6.54 nM.