

For Research Use Only

# PICALM Polyclonal antibody

Catalog Number: 28554-1-AP



## Basic Information

<b>Catalog Number:</b> 28554-1-AP	<b>GenBank Accession Number:</b> BC064357	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8301	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphatidylinositol binding clathrin assembly protein	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 71 kDa	
<b>Immunogen Catalog Number:</b> AG29505	<b>Observed MW:</b> 60-70 kDa	

## Applications

### Tested Applications:

IHC, WB, 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:** HEK-293T cells, HeLa cells, K-562 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

**IHC:** mouse brain tissue,

## 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

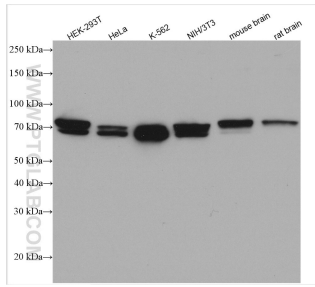
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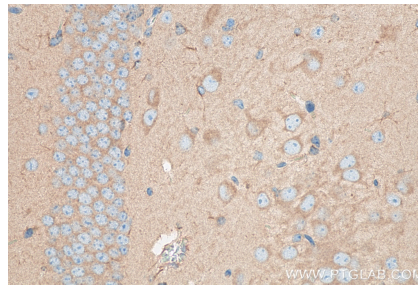
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W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28554-1-AP (PICALM antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28554-1-AP (PICALM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).