

## Rabbit PICALM Polyclonal Antibody | anti-PICALM antibody

PICALM Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                            |
|-----------|--------|-------------------|-----------------------------------------|
| AAA39580  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Western Blot, ELISA |

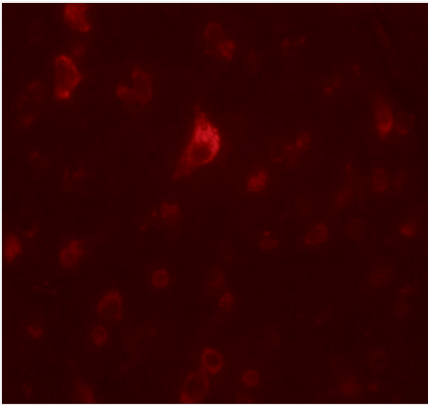
### PRODUCT SYNONYMS

PICALM; Polyclonal Antibody; PICALM Antibody; LAP; CALM; CLTH; Phosphatidylinositol-binding clathrin assembly protein; Clathrin assembly lymphoid myeloid leukemia protein; phosphatidylinositol binding clathrin assembly protein; anti-PICALM antibody

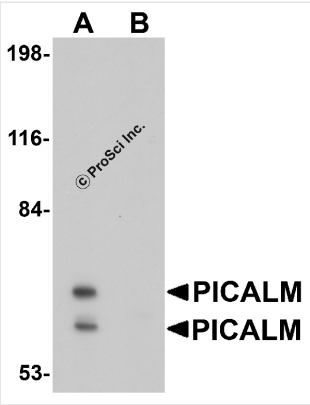
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                              |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                       |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                   |
| Isotype                                          | IgG                                                                                                                                                                                                                                                          |
| Purity/Purification                              | PICALM Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                      | Liquid                                                                                                                                                                                                                                                       |
| Concentration                                    | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                      |
| Sequence Length                                  | 652                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-PICALM antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                                                                                                                                                                            |
| Conjugate                                        | Unconjugated                                                                                                                                                                                                                                                 |
| Immunogen                                        | PICALM antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human PICALM.                                                                                                                                           |
| Buffer                                           | PICALM Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                          | PICALM antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of PICALM in human brain tissue with PICALM antibody at 20 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of PICALM in EL4 cell lysate with PICALM antibody at 1 &#956;g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PICALM antibody</b> | PICALM Antibody: PICALM, also known as the clathrin assembly lymphoid myeloid leukemia (CALM) protein, co-localizes with clathrin at clathrin-coated areas of the plasma membrane and in the Golgi area, and is thought to be an important component of the coated pit internalization machinery. Fusion proteins involving PICALM have been implicated in acute myeloid and T-cell acute lymphoblastic leukemia. PICALM is also expressed in neurons and is present at the synapse where it facilitates the endocytosis of the synaptic vesicle protein VAMP2. Recent studies have identified variants of PICALM associated with Alzheimer's disease and have suggested this protein may play a role in the endocytosis and recycling of the amyloid protein precursor (APP). |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 56788366                                                                                                    |
| NCBI GeneID                      | 8301                                                                                                        |
| NCBI Accession #                 | NP_009097                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_007166.3                                                                                                 |
| UniProt Accession #              | Q13492; O60700; Q4LE54; Q6GMQ6; Q86XZ9; B4DTM3; E9PN05; F8VPG7                                              |
| Molecular Weight                 | 70,037 Da                                                                                                   |
| NCBI Official Full Name          | phosphatidylinositol-binding clathrin assembly protein isoform 1                                            |
| NCBI Official Synonym Full Names | phosphatidylinositol binding clathrin assembly protein                                                      |
| NCBI Official Symbol             | PICALM                                                                                                      |
| NCBI Official Synonym Symbols    | LAP; CALM; CLTH                                                                                             |
| NCBI Protein Information         | phosphatidylinositol-binding clathrin assembly protein; clathrin assembly lymphoid myeloid leukemia protein |
| UniProt Protein Name             | Phosphatidylinositol-binding clathrin assembly protein                                                      |
| UniProt Gene Name                | PICALM                                                                                                      |
| UniProt Synonym Gene Names       | CALM                                                                                                        |
| UniProt Entry Name               | PICAL_HUMAN                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

