

Rabbit PICALM Polyclonal Antibody | anti-PICALM antibody

Anti-PICALM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125439	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

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

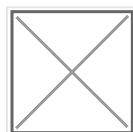
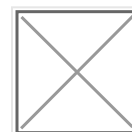
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	652
Applicable Applications for anti-PICALM antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PICALM recombinant protein (Position: M1-M652).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


WB (Western Blot)

Figure 1. Western blot analysis of PICALM using anti-PICALM antibody.


IHC (Immunohistochemistry)

IF (Immunofluorescence)

FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-PICALM antibody	Description: Rabbit IgG polyclonal antibody for PICALM detection. Tested with WB, IHC-P, ICC/IF, FCM, Direct ELISA in Human; Mouse; Rat. Background: Phosphatidylinositol binding clathrin assembly protein, also known as PICALM, is a protein which in humans is encoded by the PICALM gene. It is mapped to 11q14.2. This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10;11)(p13;q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
References	1. Morris, S. A., Schroder, S., Plessmann, U., Weber, K., Ungewickell, E. Clathrin assembly protein AP180: primary structure, domain organization and identification of a clathrin binding site. EMBO J. 12: 667-675, 1993. 2. Stern, J. A., White, S. N., Lehmkuhl, L. B., Reina-Doreste, Y., Ferguson, J. L., Nascone-Yoder, N. M., Meurs, K. M. A single codon insertion in PICALM is associated with development of familial subvalvular aortic stenosis in Newfoundland dogs. Hum. Genet. 133: 1139-1148, 2014. 3. Treusch, S., Hamamichi, S., Goodman, J. L., Matlack, K. E. S., Chung, C. Y., Baru, V., Shulman, J. M., Parrado, A., Bevis, B. J., Valastyan, J. S., Han, H., Lindhagen-Persson, M., and 9 others. Functional links between amyloid-beta toxicity, endocytic trafficking, and Alzheimer's disease risk factors in yeast. Science 334: 1241-1245, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56788366
NCBI GeneID	8301
NCBI Accession #	NP_009097
NCBI GenBank Nucleotide #	NP_009097.2
UniProt Accession #	Q13492
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/picalm-antibody-direct-elisa-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/125439>