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Datasheet for 600-401-DN1

PICALM Antibody

Overview

Description:	Anti-PICALM (RABBIT) Antibody - 600-401-DN1
Item No.:	600-401-DN1
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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).
Synonyms:	PICALM Antibody, LAP, CALM, CLTH, Phosphatidylinositol-binding clathrin assembly protein, Clathrin assembly lymphoid myeloid leukemia protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PICALM
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-PICALM antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the N-terminus of human PICALM.
Purity/Specificity:	Anti-PICALM Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PICALM from other sources has not been determined.
Relevant Links:	• UniProtKB - Q13492 • GeneID - 8301 • NCBI - NP_009097

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-PICALM Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 71 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

Formulation

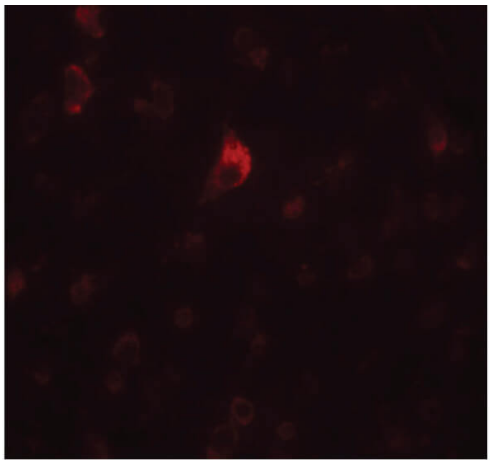
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

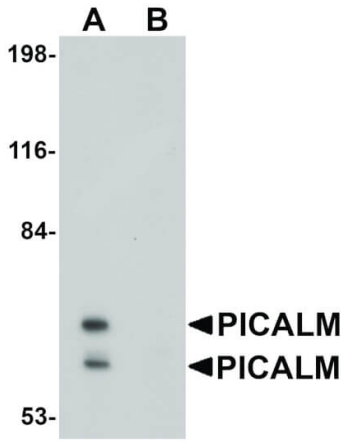
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of PICALM antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: PICALM antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: PICALM is nuclear and a membrane protein. Staining: PICALM as red fluorescent signal.



Western Blot
Western Blot of PICALM antibody. Lane 1: EL4 cell lysate in the absence of blocking peptide. Lane 2: EL4 cell lysate in the presence of blocking peptide. Primary Antibody: with PICALM antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 71 kDa, 71 kDa for PICALM. Other band(s): PICALM splice variants and isoforms.

Disclaimer

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