### Overview

**Product name**  
Anti-PICALM antibody [EPR12177]

**Description**  
Rabbit monoclonal [EPR12177] to PICALM

**Host species**  
Rabbit

**Tested applications**  
*Suitable for:* WB, IHC-P, ICC/IF  
*Unsuitable for:* Flow Cyt or IP

**Species reactivity**  
Reacts with: Human  
*Predicted to work with:* Mouse

**Immunogen**  
Synthetic peptide within Human PICALM aa 550-650. The exact sequence is proprietary.  
Database link: Q13492

**Positive control**  
HepG2, HeLa, A431 and Human fetal brain lysates; Human placenta and breast tissues; HeLa cells.

**General notes**  
*Rat:* We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.  
Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.  
This product is a recombinant rabbit monoclonal antibody.

### Properties

**Form**  
Liquid

**Storage instructions**  

**Storage buffer**  
P: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

**Purity**  
Tissue culture supernatant

**Clonality**  
Monoclonal

**Clone number**  
EPR12177

**Isotype**  
IgG
Function
Assembly protein recruiting clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. May be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. Involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction.

Tissue specificity
Expressed in all tissues examined.

Involvement in disease
Note: A chromosomal aberration involving PICALM is found in diffuse histiocytic lymphomas. Translocation t(10;11)(p13;q14) with MLLT10.

Sequence similarities
Contains 1 ENTH (epsin N-terminal homology) domain.

Cellular localization

Application notes
Is unsuitable for Flow Cyt or IP.

Images

All lanes: Anti-PICALM antibody [EPR12177] (ab172962) at 1/1000 dilution

Lane 1: HepG2 lysate
Lane 2: HeLa lysate
Lane 3: A431 lysate
Lane 4: Human fetal brain lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 71 kDa
Immunohistochemical analysis of paraffin-embedded Human Placenta tissue labeling PICALM with ab172962 at 1/50 dilution.

Immunohistochemical analysis of paraffin-embedded Human Breast tissue labeling PICALM with ab172962 at 1/50 dilution.

Immunofluorescent analysis of HeLa cells labeling PICALM with ab172962 at 1/100 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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