

Datasheet for ABIN7599439
anti-PLD3 antibody (AA 1-490)



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Overview

Quantity:	100 µg
Target:	PLD3
Binding Specificity:	AA 1-490
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLD3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PLD3 Antibody Picoband®
Immunogen:	E.coli-derived human PLD3 recombinant protein (Position: M1-L490).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PLD3 Antibody Picoband® (ABIN7599439). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PLD3
Alternative Name:	PLD3 (PLD3 Products)
Background:	Synonyms: T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7, CD7 Tissue Specificity: Preferentially expressed in activated T lymphocytes. Background: Phospholipase D3, also known as PLD3, is a protein that in humans is encoded by the PLD3 gene. This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase domains. This protein influences processing of amyloid-beta precursor protein. Mutations in this gene are associated with Alzheimer disease risk. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Weight:	55 kDa
Gene ID:	23646
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Cao, J. X., Koop, B. F., Upton, C. A human homolog of the vaccinia virus HindIII K4L gene is a member of the phospholipase D superfamily. <i>Virus Res.</i> 48: 11-18, 1997. 2. Cruchaga, C., Goate, A. M. Cruchaga and Goate reply. <i>Nature</i> 520: E5-E6, 2015. Note: Electronic Article. 3. Cruchaga, C., Karch, C. M., Jin, S. C., Benitez, B. A., Cai, Y., Guerreiro, R., Harari, O., Norton, J., Budde, J., Bertelsen, S., Jeng, A. T., Cooper, B., and 48 others. Rare coding variants in the phospholipase D3 gene confer risk for Alzheimer's disease. <i>Nature</i> 505: 550-554, 2014.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.