

Datasheet for ABIN7600877  
**anti-PLD5 antibody (AA 247-517)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PLD5
Binding Specificity:	AA 247-517
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLD5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PLD5 Antibody Picoband®
Immunogen:	E.coli-derived human PLD5 recombinant protein (Position: K247-K517). Human PLD5 shares 95.9% amino acid (aa) sequence identity with mouse PLD5.
Characteristics:	Anti-PLD5 Antibody Picoband® (ABIN7600877). Tested in WB, IHC, Flow Cytometry, ELISA 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:	PLD5
Alternative Name:	PLD5 ( <a href="#">PLD5 Products</a> )
Background:	<p>Phospholipase D family, member 5 is a protein that in humans is encoded by the PLD5 gene.</p> <p>Inactive phospholipase D5 (PLD5) is a variant of the phospholipase D enzyme family that lacks catalytic activity due to mutations or alterations in critical amino acid residues. Despite its inactivity, PLD5 is believed to contribute to cellular processes such as lipid metabolism and membrane dynamics, highlighting its potential regulatory roles in cellular signaling pathways.</p>
Molecular Weight:	69 kDa
Gene ID:	200150
UniProt:	<a href="#">Q8N7P1</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Liu, J., Li, J., Ma, Y., Xu, C., Wang, Y., &amp; He, Y. (2021). MicroRNA miR-145-5p inhibits Phospholipase D 5 (PLD5) to downregulate cell proliferation and metastasis to mitigate prostate cancer. <i>Bioengineered</i>, 12(1), 3240-3251. 2. Anney, R., Klei, L., Pinto, D., Regan, R., Conroy, J., Magalhaes, T. R., ... &amp; Gill, M. (2010). A genome-wide scan for common alleles affecting risk for autism. <i>Human molecular genetics</i>, 19(20), 4072-4082. 3. McCauley, J. L., Zuvich, R. L., Bradford, Y., Kenealy, S. J., Schnetz-Boutaud, N., Gregory, S. G., ... &amp; Haines, J. L. (2009). Follow-up examination of linkage and association to chromosome 1q43 in multiple sclerosis. <i>Genes &amp; Immunity</i>, 10(7), 624-630.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .

## Handling

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Storage: 4 °C, -20 °C

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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.