



# PC-PLD3 rabbit pAb

**Cat No.:ES5376**

**For research use only**

## Overview

<b>Product Name</b>	PC-PLD3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PLD3. AA range:326-375
<b>Specificity</b>	PC-PLD3 Polyclonal Antibody detects endogenous levels of PC-PLD3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Phospholipase D3
<b>Gene Name</b>	PLD3
<b>Cellular localization</b>	Endoplasmic reticulum membrane ; Single-pass type II membrane protein . Lysosome lumen . Early endosome membrane ; Single-pass type II membrane protein . Late endosome membrane ; Single-pass type II membrane protein . Golgi apparatus membrane ; Single-pass
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	23646
<b>Human Swiss-Prot Number</b>	Q8IV08
<b>Alternative Names</b>	PLD3; Phospholipase D3; PLD 3; Choline phosphatase 3; HindIII K4L homolog; Hu-K4; Phosphatidylcholine-hydrolyzing phospholipase D3



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## Background

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. [provided by RefSeq, Apr 2014],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PLD3 Antibody. The picture on the right is blocked with the synthesized peptide.

