

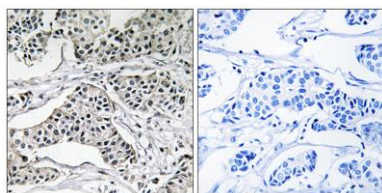
PC-PLD3 rabbit pAb**Cat#: orb768251 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	PC-PLD3 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PLD3. AA range:326-375
Specificity	PC-PLD3 Polyclonal Antibody detects endogenous levels of PC-PLD3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Phospholipase D3
Gene Name	PLD3
Cellular localization	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 type II membrane protein . Endosome membrane ; Single-pass type II membrane protein . Localizes to ER-associated vesicles in differentiating myotubes (PubMed:22428023). The soluble form in lysosome arises by proteolytic processing of the membrane-bound form (PubMed:29386126). Colocalizes with APP in endosomes (PubMed:29368044). .

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	23646
Human Swiss-Prot Number	Q8IV08
Alternative Names	PLD3; Phospholipase D3; PLD 3; Choline phosphatase 3; HindIII K4L homolog; Hu-K4; Phosphatidylcholine-hydrolyzing phospholipase D3

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.