

ARG45744 anti-PLD3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PLD3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PLD3
Species	Human
Immunogen	Recombinant protein containing to human PLD3.
Conjugation	Un-conjugated
Alternate Names	PLD3; Phospholipase D Family Member 3; HU-K4; (S,S)-Bis(Monoacylglycero)Phosphate Synthase PLD3; 5'-3' Exonuclease PLD3; HindIII K4L Homolog; Phospholipase D3; Phosphatidylcholine-Hydrolyzing Phospholipase D3; Phospholipase D Family, Member 3; Choline Phosphatase 3; EC 3.1.16.1; EC 3.1.4.-; EC 3.1.4.4 47; EC 3.1.4 47; SCA46; Hu-K4; AD19; HUK4

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

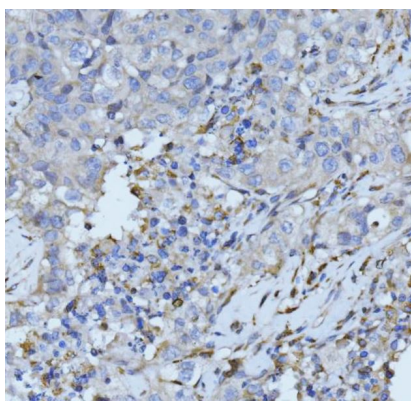
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

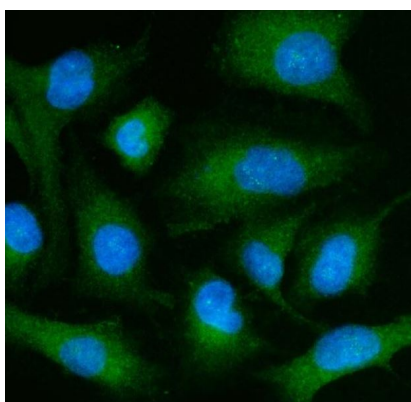
Gene Symbol	PLD3
Gene Full Name	Phospholipase D Family Member 3
Background	This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase 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]
Function	5'→3' exonuclease that hydrolyzes the phosphodiester bond of single-stranded DNA (ssDNA) and RNA molecules to form nucleoside 3'-monophosphates and 5'-end 5'-hydroxy deoxyribonucleotide/ribonucleotide fragments. [UniProt]
Calculated Mw	55 kDa
PTM	Disulfide bond; Glycoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Endoplasmic reticulum; Endosome; Golgi apparatus; Lysosome; Membrane. [UniProt]

Images



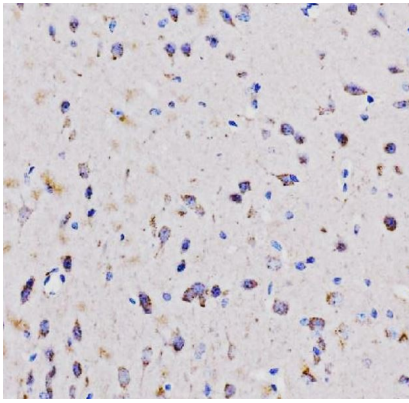
ARG45744 anti-PLD3 antibody IHC-P image

Immunohistochemistry: Human appendiceal adenocarcinoma stained with ARG45744 anti-PLD3 antibody at 2 µg/ml dilution.



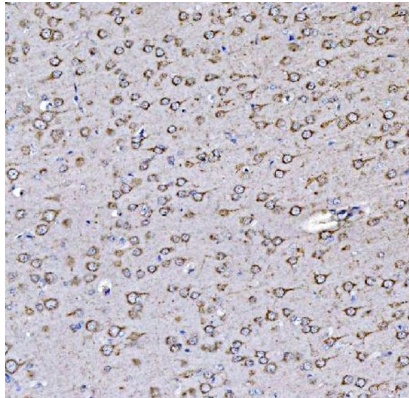
ARG45744 anti-PLD3 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45744 anti-PLD3 antibody at 5 µg/ml dilution.



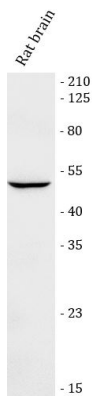
ARG45744 anti-PLD3 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45744 anti-PLD3 antibody at 2 µg/ml dilution.



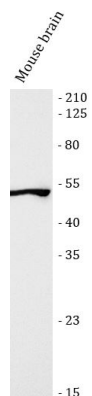
ARG45744 anti-PLD3 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45744 anti-PLD3 antibody at 2 µg/ml dilution.



ARG45744 anti-PLD3 antibody WB image

Western blot: Rat brain stained with ARG45744 anti-PLD3 antibody at 0.5 µg/ml dilution.



ARG45744 anti-PLD3 antibody WB image

Western blot: Mouse brain stained with ARG45744 anti-PLD3 antibody at 0.5 µg/ml dilution.