ARG56469
anti-NAPE PLD antibody

Package: 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NAPE PLD
Tested Reactivity	Hu, Ms, Rat, Bov
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NAPE PLD
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human NAPE PLD.
Conjugation	Un-conjugated
Alternate Names	NAPE-hydrolyzing phospholipase D; N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D; FMP30; EC 3.1.4.54; N-acyl phosphatidylethanolamine phospholipase D; NAPE-PLD

Application Instructions

Application table

Application	Dilution
WB	1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

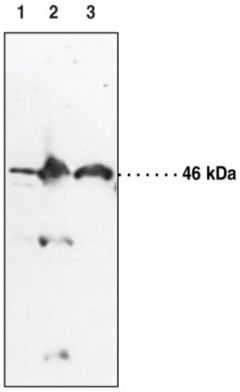
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	TBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol: NAPEPLD

Gene Full Name	N-acyl phosphatidylethanolamine phospholipase D
Background	NAPEPLD is a phospholipase D type enzyme that catalyzes the release of N-acylethanolamine (NAE) from N-acyl-phosphatidylethanolamine (NAPE) in the second step of the biosynthesis of N-acylethanolamine (Okamoto et al., 2004 [PubMed 14634025]).[supplied by OMIM, Oct 2008]
Function	Hydrolyzes N-acyl-phosphatidylethanolamines (NAPEs) to produce N-acylethanolamines (NAEs) and phosphatidic acid. Responsible for the generation of anandamide (N-arachidonoylethanolamine), the ligand of cannabinoid and vanilloid receptors (By similarity). [UniProt]
Calculated Mw	46 kDa

Images



ARG56469 anti-NAPE PLD antibody WB image

Western blot: 1) 30 µg of Human Cerebellum Supernatant, 2) 50 µg of Mouse Brain Homogenate, and 3) 30 µg of Mouse Brain High-Density Membrane stained with ARG56469 anti-NAPE PLD antibody.