

NAPE-PLD antibody

#Cat: NB-19-0016 Size: 0.1ml

Immunogen Data

Description: NAPE-PLD (N-acyl-phosphatidylethanolamine-Phospholipase D) 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.

Immunogen: a 13 aa chimeric peptide comprising part of both the C-terminal and the N-terminal regions of rat NAPE-PLD (MDENSCDKAFEET).

Alternative names: NAPE-PLD.

UniProt ID: Q769K2.

Mol. Weight: 46 kD.

Antibody Data

Host: Rabbit

Clonality: Polyclonal

Species Reactivity: rat, mouse and human.

Volume: 100 µl

Purity: polyclonal antiserum.

Storage Buffer: PBS, sodium azide and glycerol.

Storage Instruction: Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Tested applications

NAPE-PLD antibody is recommended for detection of NAPE-PLD of mouse, rat and human origin by immunohistochemistry (starting dilution 1/100, dilution range 1/50-1/500).

Recommended Dilutions:

IHC/IF: 1/50-1/500

Background references

(1) Okamoto Y, Morishita J, Tsuboi K, Tonai T, Ueda N. Molecular characterization of a phospholipase D generating anandamide and its congeners. J Biol Chem. 2004, 279(7):5298-305.

(2) Leung D, Saghatelian A, Simon GM, Cravatt BF. Inactivation of N-acyl phosphatidylethanolamine phospholipase D reveals multiple mechanisms for the biosynthesis of endocannabinoids. Biochemistry 2006, 45:4720–4726.

For Research Use Only. Not for Diagnostic or Therapeutic Use.