

NAPE-PLD Rabbit pAb

CatalogNo: YN8801

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 43kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human NAPE-PLD

Specificity This antibody detects endogenous levels of NAPE-PLD at Human, Mouse, Rat

| Target Information

Gene name NAPEPLD C7orf18

Protein Name	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (N-acyl phosphatidylethanolamine phospholipase D) (NAPE-PLD) (NAPE-hydrolyzing phospholipase D) (EC 3.1.4.54)		
	Organism	Gene ID	UniProt ID
	Human	222236 ;	Q6IQ20 ;
	Mouse	242864 ;	Q8BH82 ;
	Rat	296757 ;	Q769K2 ;
Cellular Localization	Golgi apparatus membrane ; Peripheral membrane protein . Early endosome membrane ; Peripheral membrane protein . Nucleus envelope . Nucleus, nucleoplasm . Localized in the proximity of the cellular membranes likely through interaction with membrane phospholipids. .		
Tissue specificity	Widely expressed. Highest expression in brain, kidney and testis (at protein level). Expressed in adipose tissue (at protein level).		
Function	D-type phospholipase that hydrolyzes N-acyl-phosphatidylethanolamines (NAPEs) to produce bioactive N-acylethanolamines/fatty acid ethanolamides (NAEs/FAEs) and phosphatidic acid . Cleaves the terminal phosphodiester bond of diacyl- and alkenylacyl-NAPEs, primarily playing a role in the generation of long-chain saturated and monounsaturated NAEs in the brain (By similarity). May control NAPE homeostasis in dopaminergic neuron membranes and regulate neuron survival, partly through RAC1 activation (By similarity). As a regulator of lipid metabolism in the adipose tissue, mediates the crosstalk between adipocytes, gut microbiota and immune cells to control body temperature and weight. In particular, regulates energy homeostasis by promoting cold-induced brown or beige adipocyte differentiation program to generate heat from fatty acids and glucose. Has limited D-type phospholipase activity toward N-acyl lyso-NAPEs (By similarity).		

| Validation Data

| Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
NAPE-PLD Rabbit pAb