www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Lipid phosphate phosphohydrolase 3 (LPP3) Antibody

Product Details

Available Variants	100 µg (SKU:M-1560-100)
Conjugate	Unconjugated
Isotype	Mixed
Clone	7H7D3
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS pH 7.4
Production Notes	Affinity purified
Applications	Flow, WB
Dilution Ranges	WB: 2-3 µg/mL IHC: 0.5-2 µg/mL
Species Reactivity	Human
Immunogen	A synthetic peptide from human LPP3 (179-196 aa) conjugated to KLH.
Specificity	Confirmed by over-expression of human LPP3 cDNA. Human.
Storage	Spin vial briefly before opening. Reconstitute in 100 uL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. At least 12 months after purchase at 2-8°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability and at 2-8°C with an appropriate antibacterial agent. Avoid freeze-thaw cycles.
UniProt ID	O14495 UniProt Summary: Magnesium-independent phospholipid phosphatase of the plasma membrane that catalyzes the dephosphorylation of a variety of

	glycerolipid and sphingolipid phosphate esters including phosphatidate/PA, lysophosphatidate/LPA, diacylglycerol pyrophosphate/DGPP, sphingosine 1-phosphate/S1P and ceramide 1-phosphate/C1P. Also acts on N-oleoyl ethanolamine phosphate/N-(9Z-octadecenoyl)-ethanolamine phosphate, a potential physiological compound. Has both an extracellular and an intracellular phosphatase activity, allowing the hydrolysis and the cellular uptake of these bioactive lipid mediators from the milieu, regulating signal transduction in different cellular processes. Through the dephosphorylation of extracellular sphingosine-1-phosphate and the regulation of its extra- and intracellular availability, plays a role in vascular homeostasis, regulating endothelial cell migration, adhesion, survival, proliferation and the production of pro-inflammatory cytokines. By maintaining the appropriate levels of this lipid in the cerebellum, also ensure its proper development and function. Through its intracellular lipid phosphatase activity may act in early compartments of the secretory pathway, regulating the formation of Golgi to endoplasmic reticulum retrograde transport carriers.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	8613

Product Images



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