

Anti-Phospholipase D1/PLD1 Antibody Picoband™

Catalog Number: PB9380

About PLD1

By somatic cell hybrid analysis, PLD1 is mapped to 3q26.31. This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties. And PLD1 disrupted association of gamma-secretase protein components, independent of PLD1 catalytic activity. What's more, PLD1 regulates intracellular trafficking of beta-amyloid, distinct from its effect on gamma-secretase activity.

Overview

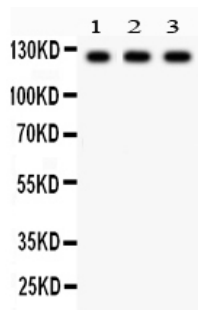
Product Name	Anti-Phospholipase D1/PLD1 Antibody Picoband™
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Phospholipase D1/PLD1 Antibody Picoband™ catalog # PB9380. Tested in WB applications. This antibody reacts with Human, Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13393

Technical Details

Immunogen	E.coli-derived human PLD1 recombinant protein (Position: M1-H330). Human PLD1 shares 91.8% and 90.9% amino acid (aa) sequence identity with mouse and rat PLD1, respectively.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, Mouse

Anti-Phospholipase D1/PLD1 Antibody Picoband™ (PB9380) Images



Anti-PLD1 Picoband antibody, PB9380, Western blotting
All lanes: Anti PLD1 (PB9380) at 0.5ug/ml
Lane 1: Mouse Cardiac Muscle Tissue Lysate at 50ug
Lane 2: 22RV1 Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Predicted bind size: 124KD
Observed bind size: 124KD

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