

AP21377BT-N**Polyclonal Antibody to Phospholipase D - Biotin****Alternate names:**

Choline phosphatase 1, Choline phosphatase 2, PLD-1, PLD-2, PLD1, PLD2, Phosphatidylcholine-hydrolyzing phospholipase D1, Phosphatidylcholine-hydrolyzing phospholipase D2, Phospholipase D alpha 1, Phospholipase D alpha 2

Quantity:

1 ml

Concentration:

10.0 mg/ml

Background:

Phospholipase D (EC=3.1.4.4) is an enzyme involved in lipid degradation by hydrolyzing glycerol phospholipids. Involved in many cellular process including phytohormone action, membrane deterioration, senescence and more.

Uniprot ID:

[O82549](#)

NCBI:

[3716](#)

Host / Isotype:

Rabbit / IgG

Immunogen:

Phospholipase D isolated and purified from Cabbage. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:

State: Lyophilized Hyperimmune IgG fraction

Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography

Buffer System: PBS, pH 7.2 without preservatives and foreign proteins

Label: Biotin

Molar Ratio: Biotin/IgG ~5.5

Reconstitution: Restore by adding 1.0 ml of sterile distilled water

Applications:

This product is intended for use in precipitating and non-precipitating antibody-binding assays such as e.g., ELISA and Western blotting and Immunofluorescence or histochemical techniques.

Working Dilutions: vary widely, but may be between 1/1000 and 1/20000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Biotin-conjugated IgG fraction of polyclonal Rabbit antiserum to Phospholipase D from Cabbage.

The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition.

Cross-reactivities against enzymes of other sources may occur but have not been determined.

Species: Cabbage (*Brassica oleracea*).

Other species not tested.

Storage:

Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.