

Anti-Phospholipase A2/PLA2G4A Antibody

Catalog Number: PA2047

About PLA2G4A

PLA2G4A (Phospholipase A2, Group IVA), is an enzyme that in humans is encoded by the PLA2G4A gene. Tay et al. (1995) mapped the PLA2G4A gene to rat chromosome 13 by PCR-based intercross genotyping and to human 1q25 by fluorescence in situ hybridization. By site-directed mutagenesis and biochemical analysis of the recombinant protein, Sharp et al. (1994) determined that ser228 participates in the catalytic mechanism of cPLA2 and that both the phospholipase A2 and the lysophospholipase activities are catalyzed by the same active site residue (s). PLA2G4A, the cytosolic phospholipase A2, appears to subserve transmembrane signaling responses to extracellular ligands (Skorecki, 1995).

Overview

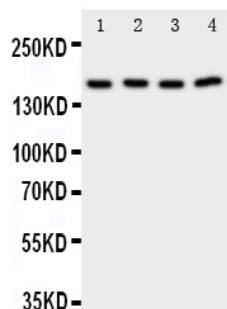
Product Name	Anti-Phospholipase A2/PLA2G4A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospholipase A2/PLA2G4A Antibody catalog # PA2047. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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	P47712

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PLA2G4A, different from the related rat and mouse sequences by one amino acid.
Predicted Reactive Species	Hamster
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Phospholipase A2/PLA2G4A Antibody (PA2047) Images



Anti-PLA2G4A antibody, PA2047, Western blotting

Lane 1: Rat Testis Tissue Lysate

Lane 2: Rat Brain Tissue Lysate

Lane 3: A549 Cell Lysate

Lane 4: COLO320 Cell Lysate

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