BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-PLA2G4A (Phospho-S505) Antibody (Monoclonal, 32P85)

**Catalog Number:** M00854

## 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).

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## Overview

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| Product Name | Anti-PLA2G4A (Phospho-S505) Antibody (Monoclonal, 32P85) |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-PLA2G4A (Phospho-S505) Antibody (Monoclonal, 32P85) catalog # M00854. Tested in WB, DotBlot applications. This antibody reacts with Human, Mouse. |
| Application | Dot blot, WB |
| Clonality | Monoclonal 32P85 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.<br>This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P47712 |

## Technical Details

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| Immunogen | Synthetic phospho-peptide corresponding to residues surrounding Ser505 of human cPLA2 aa |

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| | 493-538. |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Protein A affinity purified. |
| Suggested Dilutions | Western blot, 1:500-2000 |

## Anti-PLA2G4A (Phospho-S505) Antibody (Monoclonal, 32P85)

For Research Use Only. Not for use in diagnostic procedures.