

Anti-Phospholipase A2/PLA2G4A Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9778-Fluoro594

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 Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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 mouse and rat sequences by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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