

Anti-PLA2G2A Rabbit Monoclonal Antibody

Catalog Number: M02259-1

About PLA2G2A

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

Overview

Product Name	Anti-PLA2G2A Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PLA2G2A Rabbit Monoclonal Antibody catalog # M02259-1. Tested in WB application. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 25P80
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	P14555

Technical Details

Immunogen	A synthesized peptide derived from human PLA2G2A
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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:

	WB 1:500-1:2000
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Anti-PLA2G2A Rabbit Monoclonal Antibody (M02259-1) Images

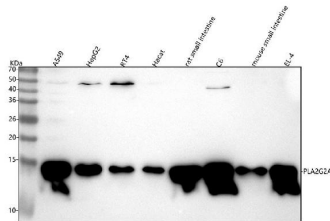


Figure 1. Western blot analysis of PLA2G2A using anti-PLA2G2A antibody (M02259-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A549 whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human RT4 whole cell lysates,
Lane 4: human Hacat whole cell lysates,
Lane 5: rat small intestine tissue lysates,
Lane 6: rat C6 whole cell lysates,
Lane 7: mouse small intestine tissue lysates,
Lane 8: mouse EL-4 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PLA2G2A antigen affinity purified monoclonal antibody (Catalog # M02259-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PLA2G2A at approximately 16 kDa. The expected band size for PLA2G2A is at 16 kDa.

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