antibodies

Datasheet for ABIN5711323 PLA2R1 Protein (AA 395-530, partial) (His tag)



Overview

Image

Quantity:	100 µg
Target:	PLA2R1
Protein Characteristics:	AA 395-530, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2R1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EEKTWHEALR SCQADNSALI DITSLAEVEF LVTLLGDENA SETWIGLSSN KIPVSFEWSN
	DSSVIFTNWH TLEPHIFPNR SQLCVSAEQS EGHWKVKNCE ERLFYICKKA GHVLSDAESG
	CQEGWERHGG FCYKID
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	PLA2R1
Alternative Name:	PLA2R (PLA2R1 Products)
Background:	Receptor for secretory phospholipase A2 (sPLA2). Acts as a receptor for phosholipase sPLA2-
	IB/PLA2G1B but not sPLA2-IIA/PLA2G2A. Also able to bind to snake PA2-like toxins. Although

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	its precise function rains unclear, binding of sPLA2 to its receptor participates in both positive
	and negative regulation of sPLA2 functions as well as clearance of sPLA2. Binding of sPLA2-
	IB/PLA2G1B induces various effects depending on the cell type, such as activation of the
	mitogen-activated protein kinase (MAPK) cascade to induce cell proliferation, the production of
	lipid mediators, selective release of arachidonic acid in bone marrow-derived mast cells. In
	neutrophils, binding of sPLA2-IB/PLA2G1B can activate p38 MAPK to stimulate elastase
	release and cell adhesion. May be involved in responses in proinflammatory cytokine
	productions during endotoxic shock. Also has endocytic properties and rapidly internalizes
	sPLA2 ligands, which is particularly important for the clearance of extracellular sPLA2s to
	protect their potent enzymatic activities. The soluble secretory phospholipase A2 receptor form
	is circulating and acts as a negative regulator of sPLA2 functions by blocking the biological
	functions of sPLA2-IB/PLA2G1B.
Molecular Weight:	19.6 kDa
UniProt:	Q13018

Pathways:

Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliguots at 4°C for up to one week.



SDS-PAGE		
Image 1.		

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