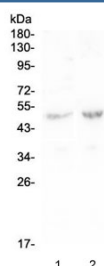


PLA2G7 Antibody / Lp-PLA2 / PAFAH (RQ4597)

Catalog No.	Formulation	Size
RQ4597	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13093
Applications	Western Blot : 0.5-1ug/ml ELISA (Capture) : 1-5ug/ml (human recombinant protein)
Limitations	This PLA2G7 antibody is available for research use only.



Western blot testing of human 1) Caco-2 and 2) SW620 lysate with PLA2G7 antibody at 0.5ug/ml. Expected molecular weight: 45-67 kDa depending on glycosylation level.

Description

Lipoprotein-associated phospholipase A2 (Lp-PLA2), also known as platelet-activating factor acetylhydrolase (PAF-AH), is a phospholipase A2 enzyme that in humans is encoded by the PLA2G7 gene. Lp-PLA2 is a 45-50 kDa protein of 441 amino acids. It is one of several PAF acetylhydrolases. In the blood it travels mainly with low-density lipoprotein (LDL). Less than 20% is associated with high-density lipoprotein HDL. It is an enzyme produced by inflammatory cells and hydrolyzes oxidized phospholipids in LDL. Lp-PLA2 is platelet-activating factor (PAF) acetylhydrolase, a secreted enzyme that catalyzes the degradation of PAF to inactive products by hydrolysis of the acetyl group at the sn-2 position, producing the biologically inactive products LYSO-PAF and acetate.

Application Notes

Optimal dilution of the PLA2G7 antibody should be determined by the researcher.

Immunogen

Amino acids A176-N415 from the human protein were used as the immunogen for the PLA2G7 antibody.

Storage

After reconstitution, the PLA2G7 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.