

Product datasheet

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ARG42790 anti-PLAA / Phospholipase A-2-activating protein antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PLAA / Phospholipase A-2-activating protein

Tested Reactivity Hu

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PLAA / Phospholipase A-2-activating protein

Species Human

Immunogen Synthetic peptide derived from Human PLAA / Phospholipase A-2-activating protein.

Conjugation Un-conjugated

Alternate Names PLA2P; PLAP; DOA1; Phospholipase A-2-activating protein

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	
Observed Size	~ 78 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol PLAA

Gene Full Name phospholipase A2-activating protein

Function Plays a role in protein ubiquitination, sorting and degradation through its association with VCP

(PubMed:27753622). Involved in ubiquitin-mediated membrane proteins trafficking to late endosomes in an ESCRT-dependent manner, and hence plays a role in synaptic vesicle recycling (By similarity). May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622). Plays a role in cerebellar Purkinje cell development (By similarity). Positively regulates cytosolic and calcium-independent phospholipase A2 activities in a tumor necrosis factor alpha (TNF-alpha)- or lipopolysaccharide (LPS)-dependent manner, and hence prostaglandin E2

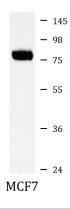
biosynthesis (PubMed:18291623, PubMed:28007986). [UniProt]

Calculated Mw 87 kDa

Cellular Localization Nucleus. Cytoplasm. Cell junction, synapse. Note=Recruited to damaged lysosomes decorated with

K48-linked ubiquitin chains. [UniProt]

Images



ARG42790 anti-PLAA / Phospholipase A-2-activating protein antibody WB image

Western blot: MCF7 cell lysate stained with ARG42790 anti-PLAA / Phospholipase A-2-activating protein antibody.