

KD-Validated Anti-Phospholipase A2 activating protein Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1267

Product Information

Application	WB, FC, ICC
Primary Accession	Q9Y263
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2560
Calculated MW	87157
Gene Name	PLAA
Aliases	PLAA; Phospholipase A2 Activating Protein; PLA2P; PLAP; DOA1; Phospholipase A-2-Activating Protein; FLJ11281; FLJ12699; DOA1 Homolog (S. Cerevisiae); DOA1 Homolog; NDMSBA
Immunogen	A synthesized peptide derived from human PLAP

Additional Information

Gene ID	9373
Other Names	Phospholipase A-2-activating protein, PLA2P, PLAP, PLAA, PLAP

Protein Information

Name	PLAA
Synonyms	PLAP
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)- or lipopolysaccharide (LPS)-dependent manner, and hence prostaglandin E2 biosynthesis (PubMed: 18291623 , PubMed: 28007986).
Cellular Location	Nucleus. Cytoplasm. Synapse {ECO:0000250 UniProtKB:P27612}. Note=Recruited to damaged lysosomes decorated with K48-linked ubiquitin chains

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