

PLAP Antibody

Rabbit mAb Catalog # AP92526

Product Information

Application WB, IHC, IF, ICC, IP, IHF

Primary Accession

Reactivity

Clonality

Q9Y263

Human

Monoclonal

Other Names Glycerophosphatase; PLA2P; Plaa; PLAP;

IsotypeRabbit IgGHostRabbitCalculated MW87157

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50

Purification Affinity-chromatography

ImmunogenA synthesized peptide derived from human PLAP **Description**Involved in the maintenance of ubiquitin levels.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

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-alpha)- 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

Images



Western blot analysis of PLAP expression in MCF7 cell lysate.

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