Group VI iPLA2 Rabbit pAb

CatalogNo: YT2073

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,ELISA

MW
- 90kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:5000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from the Internal region of human Group VI iPLA2.. AA range:514-584
Specificity	Group VI iPLA2 Polyclonal Antibody detects endogenous levels of Group VI iPLA2 protein.

Target Information

Gene name	PLA2G6
Protein Name	85/88 kDa calcium-independent phospholipase A2

Organism	Gene ID	UniProt ID
Human	8398;	O60733;
Mouse	53357;	P97819;
Rat	360426;	P97570;

Cellular Localization	Cytoplasm . Cell membrane . Mitochondrion . Cell projection, pseudopodium . Recruited to the membrane-enriched pseudopods upon MCP1/CCL2 stimulation in monocytes. .
Tissue specificity	Four different transcripts were found to be expressed in a distinct tissue distribution.
Function	Catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine + a carboxylate.,Disease:Defects in PLA2G6 are a cause of neurodegeneration with brain iron accumulation (NBIA) [MIM:610217]. NBIA comprises a clinically and genetically heterogeneous group of disorders with high basal ganglia iron.,Disease:Defects in PLA2G6 are the cause of infantile neuroaxonal dystrophy 1 (INAD1) [MIM:256600]; also known as Seitelberger disease. Infantile neuroaxonal dystrophy (INAD) is a neurodegenerative disease characterized by pathologic axonal swelling and spheroid bodies in the central nervous system. Onset is within the first 2 years of life with death by age 10 years.,Disease:Defects in PLA2G6 are the cause of Karak syndrome [MIM:608395]. Karak syndrome is a neurologic disease characterized by early-onset progressive cerebellar ataxia, dystonia, spasticity, intellectual and features compatible with iron deposition in the putamen and substantia nigra.,Function:Catalyzes the release of fatty acids from phospholipids. It has been implicated in normal phospholipid remodeling, nitric oxide-induced or vasopressin-induced arachidonic acid release and in leukotriene and prostaglandin production. May participate in fas mediated apoptosis and in regulating transmembrane ion flux in glucose-stimulated B-cells.,Function:Isoform ankyrin-iPLA2-1 and isoform ankyrin-iPLA2-2, which lack the catalytic domain, are probably involved in the negative regulation of iPLA2 activity.,similarity:Contains 7 ANK repeats.,subunit:Forms large oligomeric 270-350 kDa structures.,tissue specificity:Four different transcripts were found to be expressed in a distinct tissue distribution.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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