antibodies

Datasheet for ABIN3134984 PNPLA6 Protein (AA 65-1355) (His tag)

1 Image



Overview

Quantity:	1 mg
Target:	PNPLA6
Protein Characteristics:	AA 65-1355
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNPLA6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	RRLRVQKTPA PEGPRYRFRK RDKVLFYGRK IMRKVSQSTS SLVDTSVSTT SRPRMKKKLK
	MLNIAKKILR IQKETPTLQR KEPPPSVLEA DLTEGDLANS HLPSEVLYML KNVRVLGHFE
	KPLFLELCRH MVFQRLGQGD YVFRPGQPDA SIYVVQDGLL ELCLPGPDGK ECVVKEVVPG
	DSVNSLLSIL DVITGHQHPQ RTVSARAARD STVLRLPVEA FSAVFTKYPE SLVRVVQIIM
	VRLQRVTFLA LHNYLGLTNE LFSHEIQPLR LFPSPGLPTR TSPVRGSKRV VSTSGTEDTS
	KETSGRPLDS IGAPLPGPAG DPVKPTSLEA PPAPLLSRCI SMPVDISGLQ GGPRSDFDMA
	YERGRISVSL QEEASGGPQT ASPRELREQP AGACEYSYCE DESATGGCPF GPYQGRQTSS
	IFEAAKRELA KLMRIEDPSL LNSRVLLHHA KAGTIIARQG DQDVSLHFVL WGCLHVYQRM
	IDKAEEVCLF VAQPGELVGQ LAVLTGEPLI FTLRAQRDCT FLRISKSHFY EIMRAQPSVV
	LSAAHTVAAR MSPFVRQMDF AIDWTAVEAG RALYRQGDRS DCTYIVLNGR LRSVIQRGSG
	KKELVGEYGR GDLIGVVEAL TRQPRATTVH AVRDTELAKL PEGTLGHIKR RYPQVVTRLI
	HLLSQKILGN LQQLQGPFPG SGLSVPQHSE LTNPASNLST VAILPVCAEV PMMAFTLELQ

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	different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	PNPLA6
Alternative Name:	Pnpla6 (PNPLA6 Products)
Background:	Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Its specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy. {ECO:0000269 PubMed:12640454, ECO:0000269 PubMed:16963094}.
Molecular Weight:	143.9 kDa Including tag.
UniProt:	Q3TRM4
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
	as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee
	though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the
	recombinant protein with the default tag will be insoluble our protein lab may suggest a higher
	molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible
	options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

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Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

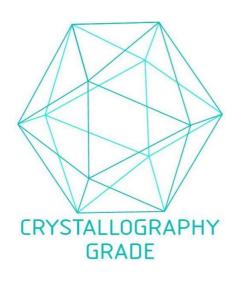


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process