Datasheet for ABIN1708856

anti-AGPS antibody (AA 31-130) (Cy7)

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Overview

Quantity:	100 µL
Target:	AGPS
Binding Specificity:	AA 31-130
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPS antibody is conjugated to Cy7
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AGPS/Alkyl-DHAP synthase
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	AGPS
Alternative Name:	AGPS/Alkyl-DHAP synthase (AGPS Products)

Target Details

Background:	Synonyms: AAG5, ADAP-S, ADAS, ADAS_HUMAN, ADHAPS, ADPS, Aging associated gene 5 protein, Aging-associated gene 5 protein, AGPS, ALDHPSY, Alkyl-DHAP synthase, Alkyldihydroxyacetonephosphate synthase, Alkyldihydroxyacetonephosphate synthase, peroxisomal, Alkylglycerone phosphate synthase, Alkylglycerone-phosphate synthase, peroxisomal. Background: AGPS is a 658 amino acid enzyme that is required for glycerolipid metabolism and ether lipid biosynthesis. Localized to the inner aspect of the peroxisomal membrane, AGPS is likely part of a heterotrimeric complex that is also composed of GNPAT and a modified form of GNPAT. Containing one FAD-binding PCMH-type domain, AGPS utilizes FAD as a cofactor in the synthesis of alkyl-glycerone 3-phophate and a long-chain acid anion from 1-acteyl-glyerone 3-phosphate and a long-chain alcohol. Defects in the gene encoding AGPS results in rhizomelic chondrodysplasia punctata type 3, a disease characterized by vertebral disorders, severe mental retardation, cutaneous lesions, cataracts and rhizomelic shortening of the humerus and femur.
Gene ID:	8540
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months