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Datasheet for ABIN1701464
anti-AGPS antibody (AA 31-130) (Biotin)

Overview

Quantity:	100 µL
Target:	AGPS
Binding Specificity:	AA 31-130
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPS antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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-phosphate and a long-chain acid anion from 1-acteyl-glycerone 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: IHC-P 1:200-400
IHC-F 1:100-500

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

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months