

[Go to Product page](#)

## Datasheet for ABIN1714966 **anti-AGPS antibody (AA 31-130)**

### Overview

Quantity:	100 µL
Target:	AGPS
Binding Specificity:	AA 31-130
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPS antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### 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
---------	------

## Target Details

Alternative Name:	AGPS/Alkyl-DHAP synthase ( <a href="#">AGPS Products</a> )
Background:	<p>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.</p> <p>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.</p>
Gene ID:	8540
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

---

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months