

Datasheet for ABIN2854324

anti-AGPS antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	AGPS
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Alkyl-DHAP synthase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Alkyl-DHAP synthase (alkylglycerone phosphate synthase) Alkyl-DHAP synthase antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AGPS
Alternative Name:	alkylglycerone phosphate synthase (AGPS Products)

Target Details

Background: This gene is a member of the FAD-binding oxidoreductase/transferase type 4 family. It encodes a protein that catalyzes the second step of ether lipid biosynthesis in which acyl-dihydroxyacetonephosphate (DHAP) is converted to alkyl-DHAP by the addition of a long chain alcohol and the removal of a long-chain acid anion. The protein is localized to the inner aspect of the peroxisomal membrane and requires FAD as a cofactor. Mutations in this gene have been associated with rhizomelic chondrodysplasia punctata, type 3 and Zellweger syndrome.

Cellular Localization: Peroxisome membrane

Molecular Weight: 73 kDa

Gene ID: 8540

UniProt: [O00116](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
Not tested in other applications.

Comment: Positive Control: human AGPS-transfected 293T cells , MDA-MB-231
Validation: Overexpression

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

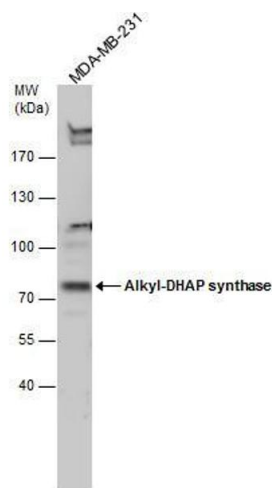
Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

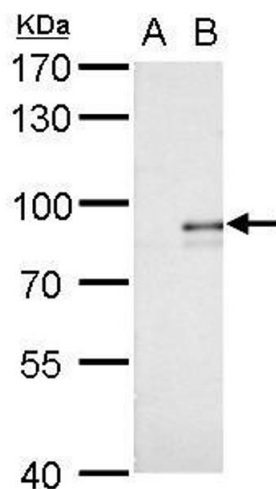
Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Western Blotting

Image 1. WB Image Alkyl-DHAP synthase antibody detects Alkyl-DHAP synthase protein by Western blot analysis. Whole cell extracts (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Alkyl-DHAP synthase antibody, diluted by 1:1000.



Western Blotting

Image 2. WB Image Alkyl-DHAP synthase antibody detects Alkyl-DHAP synthase protein by western blot analysis. A. 30 µg 293T whole cell lysate/extract B. 30 µg whole cell lysate/extract of human AGPS-transfected 293T cells 7.5 % SDS-PAGE Alkyl-DHAP synthase antibody, dilution: 1:1000