ARG45479
anti-AGPS antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AGPS
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	AGPS
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AGPS
Species	Human
Immunogen	Recombinant protein containing to human AGPS.
Conjugation	Un-conjugated
Alternate Names	ADHAPS; ALDHPSY; EC 2.5.1.26; ADAS; ADAP-S; Alkyldihydroxyacetonephosphate synthase, peroxisomal; Alkyl-DHAP synthase; Alkylglycerone-phosphate synthase; ADPS; Aging-associated gene 5 protein

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
IHC-P	2-5 µg/ml
WB	0.1-0.25 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 73 kDa

Properties

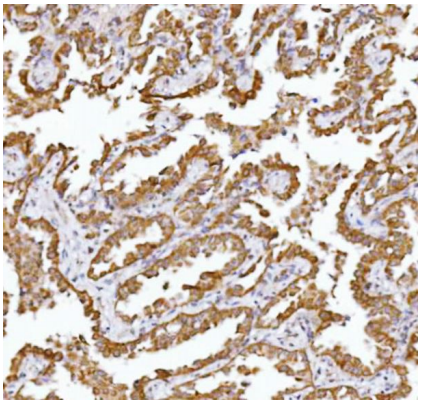
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

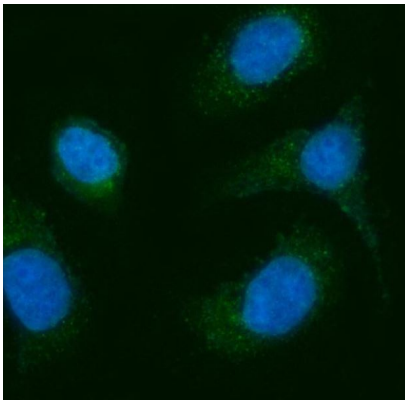
Gene Symbol	AGPS
Gene Full Name	alkylglycerone phosphate synthase
Background	AGPS (alkylglycerone phosphate synthase), is an enzyme that catalyzes the second step of ether lipid biosynthesis in which acyl-dihydroxyacetone phosphate (acyl-DHAP) is converted to alkyl-DHAP by addition of a long chain alcohol and removal of a long-chain acid anion. The protein is localized to the inner side of the peroxisomal membrane and requires FAD as a cofactor. Mutations in AGPS gene have been associated with type 3 of rhizomelic chondrodysplasia punctata (RCDP3), and Zellweger syndrome. Higher expression of AGPS was observed in BCR/ABL positive leukemias and it was also described to be associated with higher risk of relapse.
Function	Catalyzes the exchange of an acyl for a long-chain alkyl group and the formation of the ether bond in the biosynthesis of ether phospholipids. [UniProt]
Calculated Mw	73 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Membrane; Peroxisome. [UniProt]

Images



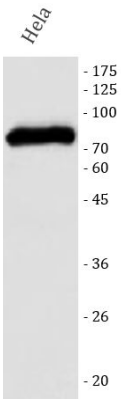
ARG45479 anti-AGPS antibody IHC-P image

Immunohistochemistry: Human adenocarcinoma of lung stained with ARG45479 anti-AGPS antibody at 2 µg/ml dilution.



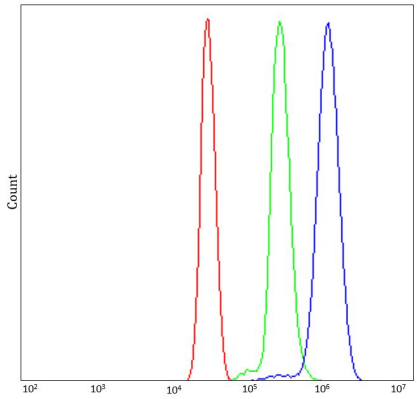
ARG45479 anti-AGPS antibody ICC/IF image

Immunofluorescence: SiHa stained with ARG45479 anti-AGPS antibody at 5 µg/ml dilution.



ARG45479 anti-AGPS antibody WB image

Western blot: Hela stained with ARG45479 anti-AGPS antibody at 0.5 µg/ml dilution.



ARG45479 anti-AGPS antibody FACS image

Flow Cytometry: U937 stained with ARG45479 anti-AGPS antibody at 1 µg/10^6 cells dilution.