ARG65405
anti-AGPS antibody [AGPS-03]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [AGPS-03] recognizes AGPS
Tested Reactivity	Hu
Tested Application	FACS, WB
Specificity	The clone AGPS-03 recognizes AGPS (alkykglycerone phosphate synthase), an peroxisomal enzyme important for lipid biosynthesis.
Host	Mouse
Clonality	Monoclonal
Clone	AGPS-03
Isotype	IgG2a
Target Name	AGPS
Species	Human
Immunogen	recombinant human AGPS (amino acids 158-384)
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 - 4 µg/ml
WB	Assay-dependent

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

Properties

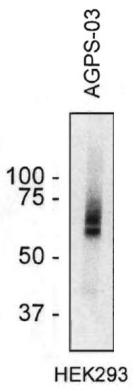
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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

Database links	GeneID: 8540 Human Swiss-port # O00116 Human
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]
Research Area	Neuroscience antibody
Calculated Mw	73 kDa

Images



ARG65405 anti-AGPS antibody [AGPS-03] WB image

Western blot: HEK293 cell lysate stained with ARG65405 anti-AGPS antibody [AGPS-03].