

## Product datasheet for **AM26765PU-N**

### Alkyl DHAP synthase (AGPS) (158-384) Mouse Monoclonal Antibody [Clone ID: AGPS-03]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AGPS-03
Applications:	FC, WB
Recommended Dilution:	<b>Flow cytometry:</b> 1-4 µg/ml. Intracellular staining. <b>Western blot:</b> 1-2 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human AGPS (amino acids 158-384)
Specificity:	This antibody recognizes AGPS (alkylglycerone phosphate synthase), an peroxisomal enzyme important for lipid biosynthesis.
Formulation:	Phosphate buffered saline (PBS) State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (>95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	alkylglycerone phosphate synthase
Database Link:	<a href="#">Entrez Gene 8540 Human</a> <a href="#">O00116</a>



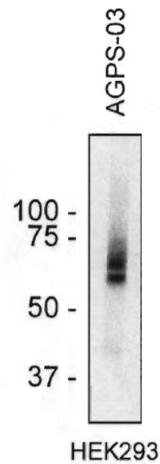
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**Background:**

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.

**Synonyms:**

Alkyl-DHAP synthase

**Product images:**

Western blotting analysis of AGPS in HEK293 cell lysate using monoclonal antibody AGPS-03.