

KD-Validated Anti-AGPS Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

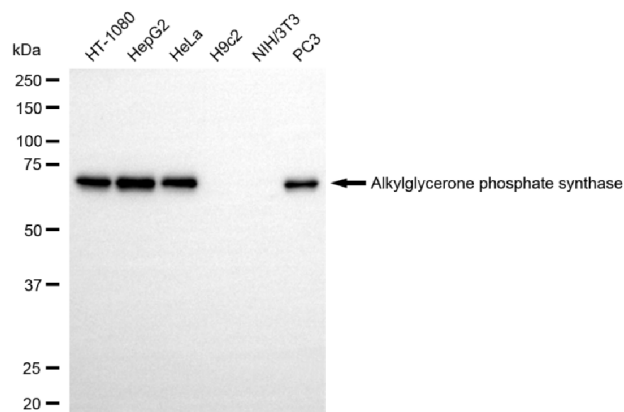
ABG1458

Product Overview

Name	KD-Validated Anti-AGPS Rabbit Monoclonal Antibody
Accession(Primary)	O00116
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	Recombinant protein of human Alkyl-DHAP synthase
Species Reactivity	Human
Calculated MW	Predicted, 73 kDa; observed, 73 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

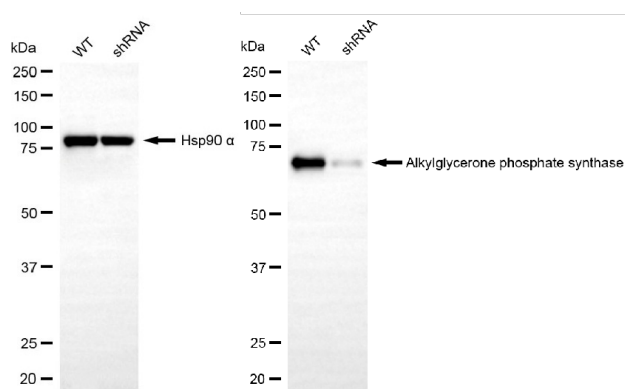
Target information (O00116)

Gene Name	AGPS
About Gene Symbol	AGPS (Alkylglycerone Phosphate Synthase) is a biosynthetic enzyme involved in cellular metabolism. It is an important research target in aging research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



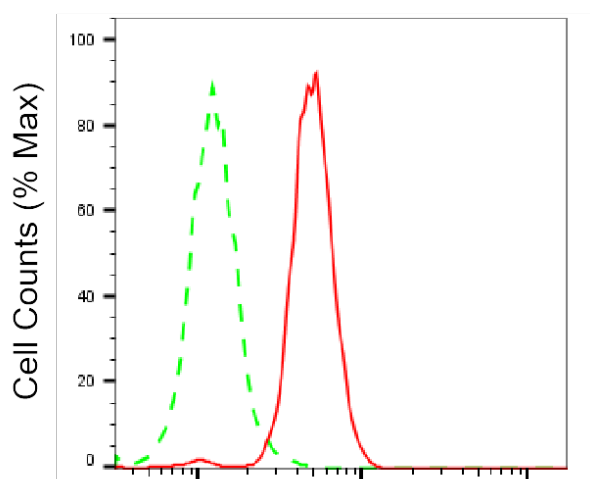
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Western blotting analysis using anti-alkylglycerone phosphate synthase antibody (Cat#ABG1458). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-alkylglycerone phosphate synthase antibody (Cat#ABG1458, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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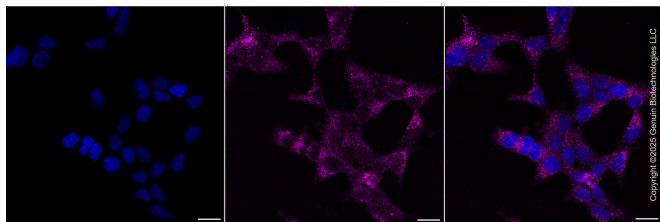
Western blotting analysis using anti-alkylglycerone phosphate synthase antibody (Cat#ABG1458). Alkylglycerone phosphate synthase expression in wild-type (WT) and alkylglycerone phosphate synthase (AGPS) shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-alkylglycerone phosphate synthase antibody (Cat#ABG1458, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Alkylglycerone phosphate synthase expression in HeLa cells using anti-Alkylglycerone phosphate synthase antibody (Cat#ABG1458, 1:2,000). Green, isotype control; red, Alkylglycerone phosphate synthase.

Alkylglycerone phosphate synthase-Alexa Fluor® 647



Immunocytochemical staining of HeLa cells with anti-Alkylglycerone phosphate synthase antibody (Cat#ABG1458, 1:1,000). Nuclei were stained blue with DAPI; Alkylglycerone phosphate synthase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 μ m.