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Datasheet for ABIN6136644  
**anti-AGPS antibody (AA 379-658)**

2 Images

Overview

Quantity:	100 µL
Target:	AGPS
Binding Specificity:	AA 379-658
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 379-658 of human AGPS (NP_003650.1).
Sequence:	IKIRPVPEYQ KYGSVAFPNF EQGVACLREI AKQRCAPASI RLMDNKQFQF GHALKPQVSS IFTSFLDGLK KFYITKFKGF DPNQLSVATL LFEGDREKVL QHEKQVYDIA AKFGGLAAGE DNGQRGYLLT YVIAYIRDLA LEYYVLGESF ETSAPWDRVW DLRCNVKERI TRECKEKGVQ FAPFSTCRVT QTYDAGACIY FYFAFNRYGI SDPLTVFEQT EAAAREEILA NGGSLSHHHG VGKLRKQWLK ESISDVGFGM LKSVKEYVDP NNIFGNRNLL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	AGPS
Alternative Name:	AGPS ( <a href="#">AGPS Products</a> )
Background:	<p>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.,AGPS,ADAP-S,ADAS,ADHAPS,ADPS,ALDHPSY,RCDP3,Neuroscience,AGPS</p>
Molecular Weight:	72 kDa
Gene ID:	8540
UniProt:	<a href="#">O00116</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

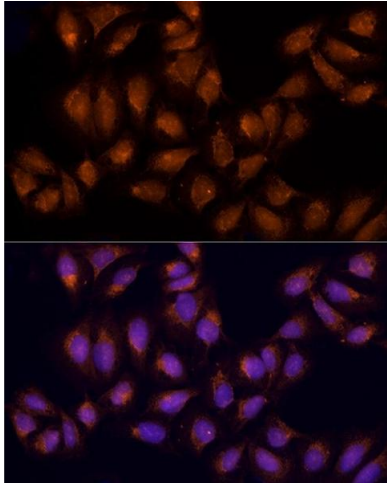
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Application Notes:	WB,1:1000 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

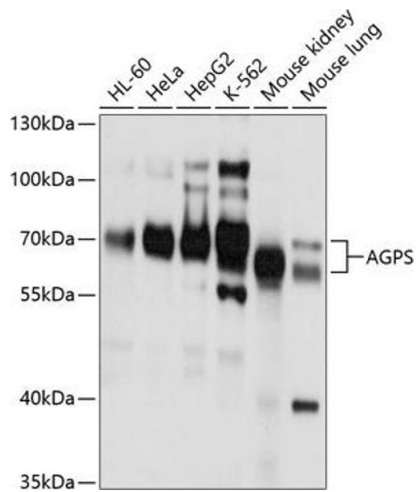
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS using AGPS antibody (ABIN6129641, ABIN6136644, ABIN6136645 and ABIN6214756) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using AGPS antibody (ABIN6129641, ABIN6136644, ABIN6136645 and ABIN6214756) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.