

# AGPS Rabbit pAb

Catalog No.: A10484 **1 Publications**

## Basic Information

### Observed MW

60-73kDa

### Calculated MW

73kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse

## Background

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.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

8540

### Swiss Prot

O00116

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 379-658 of human AGPS (NP\_003650.1).

### Synonyms

ADAS; ADPS; RCDP3; ADAP-S; ADHAPS; ALDHPSY; AGPS

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

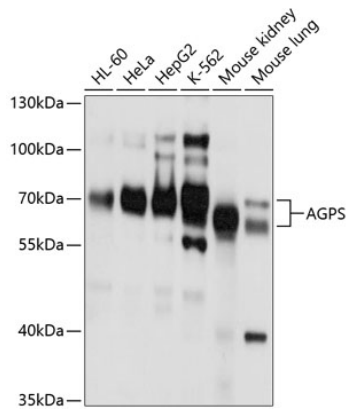
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

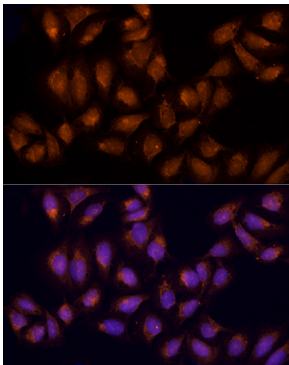
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates using AGPS Rabbit pAb (A10484) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



Immunofluorescence analysis of U2OS cells using AGPS Rabbit pAb (A10484) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.