

AGPS Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13238**Specification**

AGPS Antibody - Product Information

Application	WB, IHC
Primary Accession	O00116
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73kDa KDa

AGPS Antibody - Additional Information**Gene ID** 8540**Other Names**

Alkyl dihydroxyacetonephosphate synthase, peroxisomal, Alkyl-DHAP synthase, 2.5.1.26, Aging-associated gene 5 protein, Alkylglycerone-phosphate synthase, AGPS

Target/Specificity

Human and mouse Alkyl-DHAP synthase. Predicted cross-reactivity based on amino acid sequence homology: mouse (95%), rat (94%), zebrafish (86%).

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

AGPS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AGPS Antibody - Protein Information**Name** AGPS**Function**

Catalyzes the exchange of the acyl chain in acyl- dihydroxyacetonephosphate (acyl-DHAP) for a long chain fatty alcohol, yielding the first ether linked intermediate, i.e. alkyl- dihydroxyacetonephosphate (alkyl-DHAP), in the pathway of ether lipid biosynthesis.

Cellular Location

Peroxisome membrane {ECO:0000250|UniProtKB:P97275}. Peroxisome {ECO:0000250|UniProtKB:P97275}

Volume

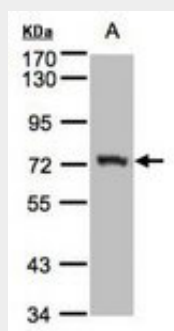
50 µl

AGPS Antibody - Protocols

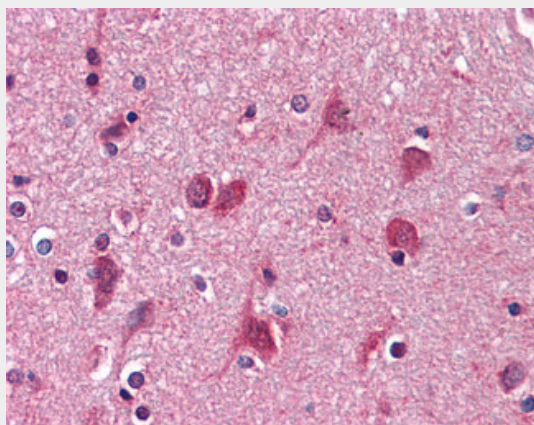
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AGPS Antibody - Images



Sample(30 g of whole cell lysate). A: Raji. 7.5% SDS PAGE. AGPS antibody diluted at 1:1500.



Anti-AGPS antibody IHC of human brain, cortex.

AGPS Antibody - Background

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.

AGPS Antibody - References

de Vet E.C.J.M.,et al.Biochim. Biophys. Acta 1346:25-29(1997).
Kim J.W.,et al.Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Choudhary C.,et al.Science 325:834-840(2009).