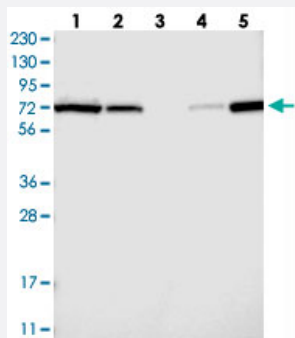


AGPS polyclonal antibody

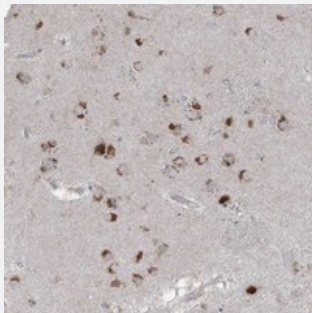
Catalog # PAB22415 Size 100 uL

Applications



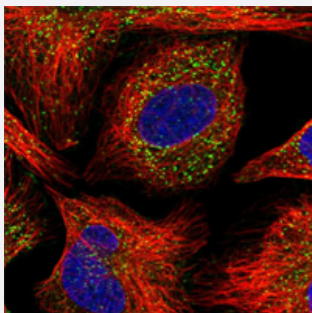
Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with AGPS polyclonal antibody (Cat # PAB22415) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human lateral ventricle with AGPS polyclonal antibody (Cat # PAB22415) shows strong cytoplasmic positivity in neuronal cells at 1:200-1:500 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with AGPS polyclonal antibody (Cat # PAB22415) at 1-4 ug/mL dilution shows positivity in vesicles.

Specification

Product Description

Rabbit polyclonal antibody raised against recombinant AGPS.

Immunogen

Recombinant protein corresponding to amino acids of human AGPS.

Sequence	QIELTGKRYPLSGMGLPTFKEWIQNTLGVNVEHKTTSKASLNPSDTPPSVVNEDFLHDLKETNISY SQEADDRVFRAHGHCLH
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) Western Blot (1:250-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — AGPS

Entrez GeneID [8540](#)

Protein Accession# [O00116](#)

Gene Name	AGPS
Gene Alias	ADAP-S, ADAS, ADHAPS, ADPS, ALDHPSY, DKFZp762O2215, FLJ99755
Gene Description	alkylglycerone phosphate synthase
Omim ID	600121 603051
Gene Ontology	Hyperlink
Gene Summary	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 rhizomeleic chondrodysplasia punctata, type 3 and Zellweger syndrome. [provided by RefSeq]
Other Designations	aging-associated protein 5 alkyl-DHAP synthase alkyldihydroxyacetone phosphate synthase alkyldihydroxyacetonephosphate synthase, peroxisomal

Pathway

- [Ether lipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Tobacco Use Disorder](#)