

HRASLS2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58360

Specification

HRASLS2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O9NWW9
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17394

HRASLS2 Polyclonal Antibody - Additional Information

Gene ID 54979

Other Names

Phospholipase A and acyltransferase 2 {ECO:0000312|HGNC:HGNC:17824}, 2.3.1.-, 3.1.1.32, 3.1.1.4, HRAS-like suppressor 2, PLAAT2 (HGNC:17824), HRASLS2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

HRASLS2 Polyclonal Antibody - Protein Information

Name PLAAT2 ([HGNC:17824](#))

Synonyms HRASLS2

Function

Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:19615464, PubMed:22605381, PubMed:22825852, PubMed:26503625). Shows phospholipase A1 (PLA1) and A2 (PLA2) activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (PubMed:19615464, PubMed:22605381, PubMed:22825852). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed:<a

[19615464](http://www.uniprot.org/citations/19615464)). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:[19615464](http://www.uniprot.org/citations/19615464)). Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC) and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE), forming N- acylphosphatidylethanolamine (NAPE), which serves as precursor for N- acylethanolamines (NAEs) (PubMed:[19615464](http://www.uniprot.org/citations/19615464), PubMed:[22605381](http://www.uniprot.org/citations/22605381), PubMed:[22825852](http://www.uniprot.org/citations/22825852)). Catalyzes N-acylation of PE using both sn-1 and sn-2 palmitoyl groups of PC as acyl donor (PubMed:[22605381](http://www.uniprot.org/citations/22605381)). Exhibits high phospholipase A1/2 activity and low N-acyltransferase activity (PubMed:[22825852](http://www.uniprot.org/citations/22825852)).

Cellular Location

Cytoplasm. Membrane; Single-pass membrane protein Note=Exhibits a granular pattern in the cytoplasm with preferential perinuclear localization.

Tissue Location

Expressed in liver, kidney, small intestine testis and colon (PubMed:19615464). Undetectable in testis, placenta, salivary gland and fetal brain (PubMed:18163183).

HRASLS2 Polyclonal 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](#)

HRASLS2 Polyclonal Antibody - Images