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HRASLS2 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2779a

Specification

HRASLS2 Antibody (internal region) - Product Information

Application	**IHC**
Primary Accession	Q9NWW9
Other Accession	NP_060348.1, 54979
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**17394**

HRASLS2 Antibody (internal region) - Additional Information

Gene ID 54979

Other Names
HRAS-like suppressor 2, 2.3.1.-, 3.1.1.-, HRASLS2

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HRASLS2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

HRASLS2 Antibody (internal region) - 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:19615464). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed: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, PubMed:22605381, PubMed:22825852). Catalyzes N-acylation of PE using both sn-1 and sn-2 palmitoyl groups of PC as acyl donor (PubMed:22605381). Exhibits high phospholipase A1/2 activity and low N-acyltransferase activity (PubMed: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 Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HRASLS2 Antibody (internal region) - Images

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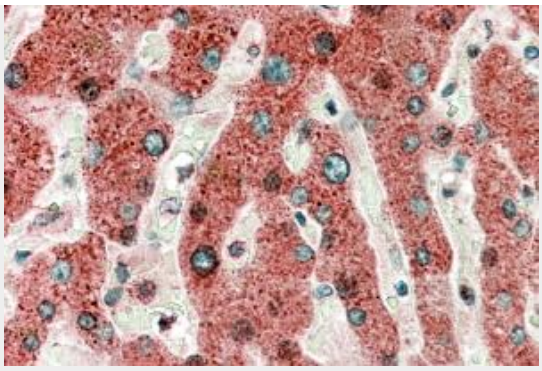

AF2779a (5 µg/ml) staining of paraffin embedded Human Liver. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

HRASLS2 Antibody (internal region) - Background

This design was based on provisional sequence data.

HRASLS2 Antibody (internal region) - References

Cloning and functional characterization of the HRASLS2 gene. Shyu RY, Hsieh YC, Tsai FM, Wu CC, Jiang SY. Amino Acids. 2008 Jun;35(1):129-37. PMID: 18163183