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# Anti-HRASLS2 Antibody (aa102-113)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17869

## Product Information

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| **Application** | IHC-P, E |
| **Primary Accession** | Q9NWW9 |
| **Predicted** | Human, Monkey |
| **Host** | Goat |
| **Clonality** | Polyclonal |
| **Calculated MW** | 17394 |
| **Concentration (mg/ml)** | 0.5 mg/ml |

## Additional Information

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| **Gene ID** | 54979 |
| **Alias Symbol** | HRASLS2 |
| **Other Names** | HRASLS2, HRAS-like suppressor 2, PLA1/2-2 |
| **Target/Specificity** | Human HRASLS2. This design was based on provisional sequence data. |
| **Reconstitution & Storage** | Immunoaffinity purified |
| **Precautions** | Anti-HRASLS2 Antibody (aa102-113) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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- |

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| | 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). |