

LASS5 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12658**Specification**

LASS5 Antibody (C-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	O8N5B7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

LASS5 Antibody (C-Terminus) - Additional Information

Gene ID 91012

Other Names

Ceramide synthase 5, CerS5, 2.3.1.24, LAG1 longevity assurance homolog 5, CERS5, LASS5

Target/Specificity

Multiple isoforms of LASS5 are known to exist. This antibody may cross-react with the highly homologous LASS6.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

LASS5 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

LASS5 Antibody (C-Terminus) - Protein Information

Name CERS5 ([HGNC:23749](#))

Function

Ceramide synthase that catalyzes the transfer of the acyl chain from acyl-CoA to a sphingoid base, with high selectivity toward palmitoyl-CoA (hexadecanoyl-CoA; C16:0-CoA) (PubMed:16951403, PubMed:18541923, PubMed:22144673, PubMed:22661289, PubMed:23530041, PubMed:26887952, PubMed:29632068, PubMed:31916624). Can use other acyl donors, but with less efficiency (By similarity). N-acylates sphinganine and sphingosine bases to form dihydroceramides and ceramides in de novo synthesis and salvage pathways,

respectively (PubMed:31916624). Plays a role in de novo ceramide synthesis and surfactant homeostasis in pulmonary epithelia (By similarity).

Cellular Location

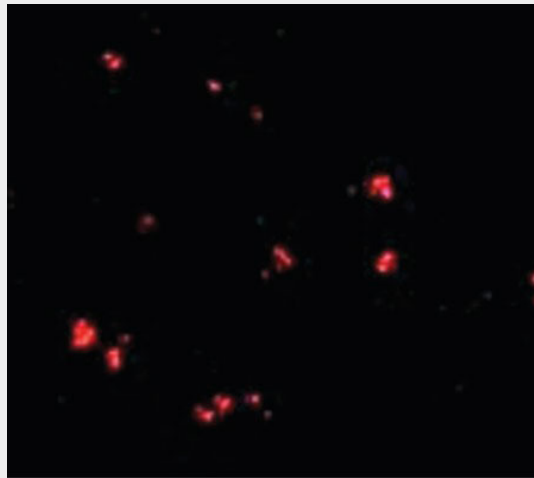
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D6K9}; Multi-pass membrane protein

LASS5 Antibody (C-Terminus) - Protocols

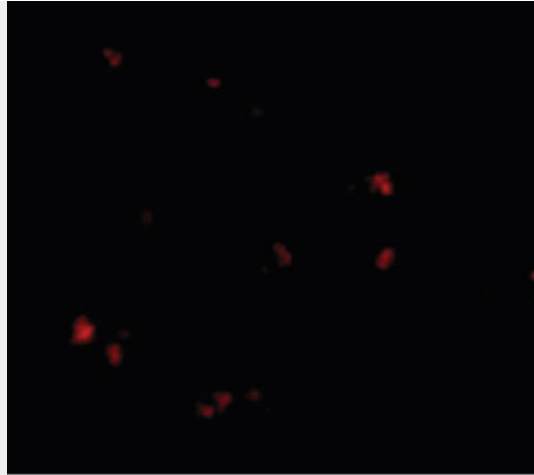
Provided below are standard protocols that you may find useful for product applications.

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

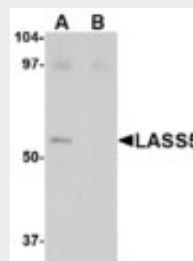
LASS5 Antibody (C-Terminus) - Images



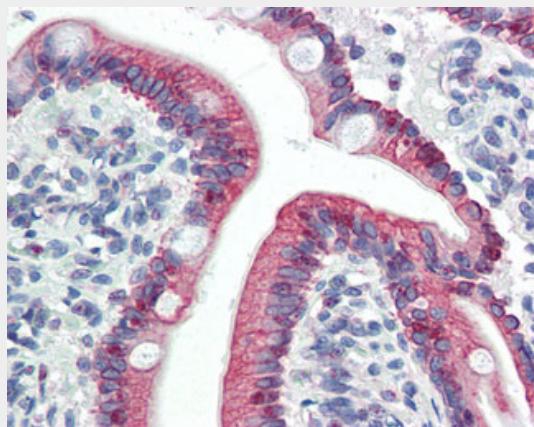
Immunofluorescence of LASS5 in human brain tissue with LASS5 antibody at 20 ug/ml.



Immunofluorescence of LASS5 in Human Brain cells with LASS5 antibody at 20 ug/ml.



Western blot of LASS5 in SK-N-SH lysate with LASS5 antibody at 1 ug/ml in the (A) absence and...



Anti-LASS5 antibody IHC of human small intestine.

LASS5 Antibody (C-Terminus) - Background

Dihydroceramide synthase. Catalyzes the acylation of sphingosine to form dihydroceramide, with high selectivity toward palmitoyl-CoA as acyl donor compared to stearoyl-CoA. Inhibited by fumonisin B1 (By similarity).

LASS5 Antibody (C-Terminus) - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Scherer S.E., et al. Nature 440:346-351(2006).
- Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.