

CerS6 / LASS6 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12657**Specification****CerS6 / LASS6 Antibody (N-Terminus) - Product Information**

Application	WB, IF, IHC
Primary Accession	O6ZMG9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa
Dilution	WB~~1:1000

CerS6 / LASS6 Antibody (N-Terminus) - Additional Information**Gene ID** 253782**Other Names**

Ceramide synthase 6, CerS6, LAG1 longevity assurance homolog 6, CERS6, LASS6

Target/Specificity

At least two isoforms of LASS6 are known to exist. This antibody is predicted not to cross-react with LASS5.

Reconstitution & Storage

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

Precautions

CerS6 / LASS6 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CerS6 / LASS6 Antibody (N-Terminus) - Protein Information**Name** CERS6 ([HGNC:23826](#))**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:17609214, PubMed:17977534, PubMed:23530041, PubMed:26887952, 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:17977534, PubMed:23530041).

target="_blank">23530041, PubMed:26887952, PubMed:31916624). Ceramides generated by CERS6 play a role in inflammatory response (By similarity). Acts as a regulator of metabolism and hepatic lipid accumulation (By similarity). Under high fat diet, palmitoyl- (C16:0-) ceramides generated by CERS6 specifically bind the mitochondrial fission factor MFF, thereby promoting mitochondrial fragmentation and contributing to the development of obesity (By similarity).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8C172}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8C172}

Volume

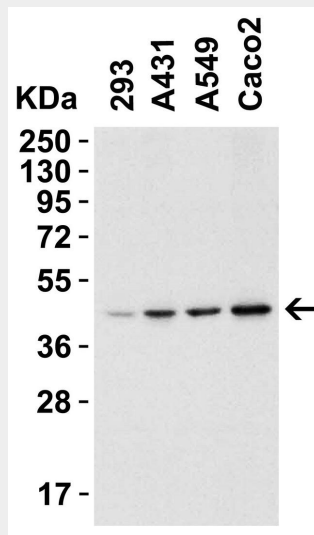
Array

CerS6 / LASS6 Antibody (N-Terminus) - Protocols

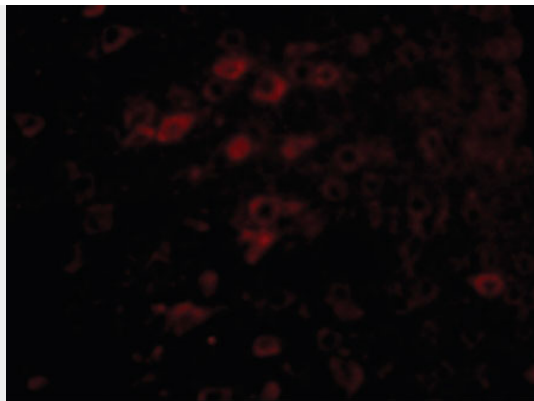
Provided below are standard protocols that you may find useful for product applications.

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

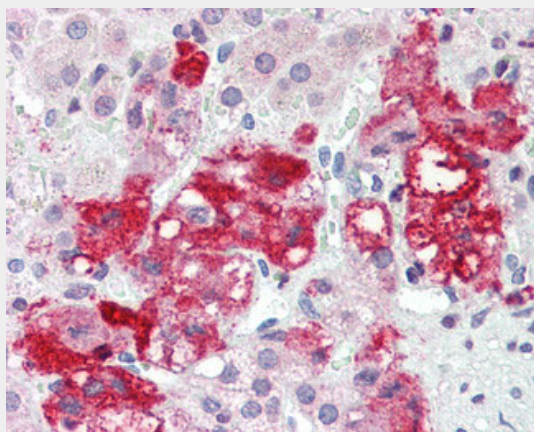
CerS6 / LASS6 Antibody (N-Terminus) - Images



All lanes: Anti-CERS6 antibody at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: A431 whole cell lysate Lane 3: A549 whole cell lysate Lane 4: Caco2 whole cell lysate Lysates/proteins at 15 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 45 KDa Blocking/Dilution buffer: 5% NFDN/TBST.



Immunofluorescence of LASS6 in Mouse Brain cells with LASS6 antibody at 5 ug/ml.



Anti-LASS6 antibody IHC of human adrenal.

CerS6 / LASS6 Antibody (N-Terminus) - Background

May be involved in sphingolipid synthesis or its regulation.

CerS6 / LASS6 Antibody (N-Terminus) - References

- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Hillier L.W.,et al.Nature 434:724-731(2005).
- Chen R.,et al.J. Proteome Res. 8:651-661(2009).