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LASS5 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11312

Specification

LASS5 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8N5B7
Other Accession	NM_147190, NP_671723
Reactivity	**Human, Rat, Rabbit, Horse, Bovine, Dog**
Predicted	**Horse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

LASS5 antibody - N-terminal region - Additional Information

Gene ID 91012

Alias Symbol **CerS5, FLJ25304, MGC45411, Trh4, LASS5**
Other Names
Ceramide synthase 5, CerS5, 2.3.1.24, LAG1 longevity assurance homolog 5, CERS5, LASS5

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-LASS5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
LASS5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

LASS5 antibody - N-terminal region - 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:<a

href="http://www.uniprot.org/citations/31916624" target="_blank">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).

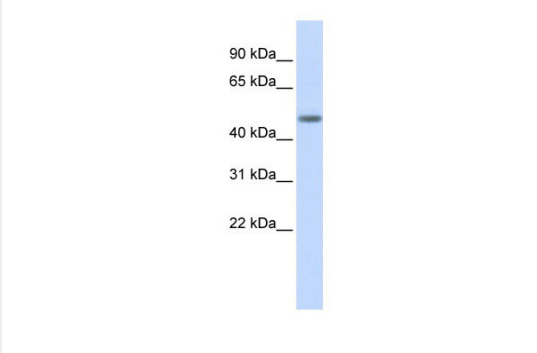
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D6K9}; Multi-pass membrane protein

LASS5 antibody - N-terminal 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

LASS5 antibody - N-terminal region - Images



WB Suggested Anti-LASS5 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Human Pancreas

LASS5 antibody - N-terminal region - References

Kitatani,K., (2006) J. Biol. Chem. 281 (48), 36793-36802 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.