10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LASS5 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10644

Specification

LASS5 Antibody - Product Information

Application	**WB**
Primary Accession	Q8N5B7
Other Accession	AAH33558.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45752**

LASS5 Antibody - Additional Information

Gene ID 91012

Application & Usage	**Western blotting (0.5-4 µg/ml). Multiple isoforms of Lass5 can be determined. Other applications have not been determined.**

Other Names
CerS5 , FLJ25304 , LASS5 , MGC45411 , Trh4

Target/Specificity
LASS5

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit anti-Lass5 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
LASS5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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LASS5 Antibody - 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 - 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 - Images

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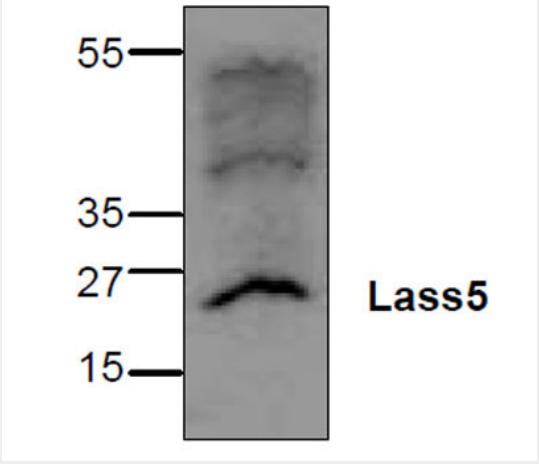

Western blot analysis of Lass5 expression in Jurkat cell lysate. Multiple isoforms of Lass5 can be detected.

LASS5 Antibody - Background

Lass5 also known as longevity assurance homolog 5 is a dihydroceramide synthase. It uses palrnitoyl-CoA as acyl donor and is involved in the synthesis of C14, C16 and C18-ceramide.