

**LASS5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58274****Specification**

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**LASS5 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, WB              |
| Primary Accession | <a href="#">Q8N5B7</a> |
| Reactivity        | Rat, Pig, Dog, Bovine  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 45752                  |

**LASS5 Polyclonal Antibody - Additional Information****Gene ID** 91012**Other Names**

Ceramide synthase 5, CerS5, 2.3.1.-, LAG1 longevity assurance homolog 5, CERS5 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=23749](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23749))  
[HGNC:23749](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23749))

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**LASS5 Polyclonal 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](http://www.uniprot.org/citations/16951403)), PubMed:[18541923](http://www.uniprot.org/citations/18541923)), PubMed:[22144673](http://www.uniprot.org/citations/22144673)), PubMed:[22661289](http://www.uniprot.org/citations/22661289)), PubMed:[23530041](http://www.uniprot.org/citations/23530041)), PubMed:[26887952](http://www.uniprot.org/citations/26887952)), PubMed:[29632068](http://www.uniprot.org/citations/29632068)), PubMed:[31916624](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/31916624))  
[31916624](http://www.uniprot.org/citations/31916624)). Plays a role in de novo ceramide synthesis and surfactant

homeostasis in pulmonary epithelia (By similarity).

#### **Cellular Location**

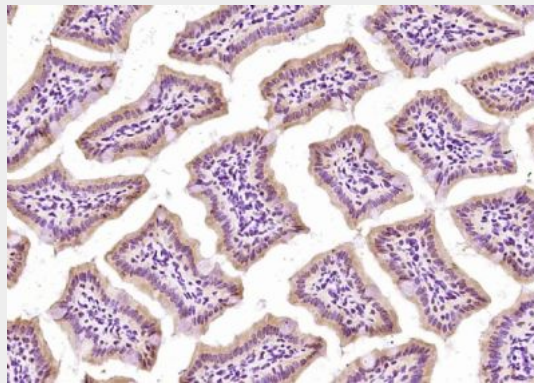
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D6K9}; Multi-pass membrane protein

#### **LASS5 Polyclonal Antibody - Protocols**

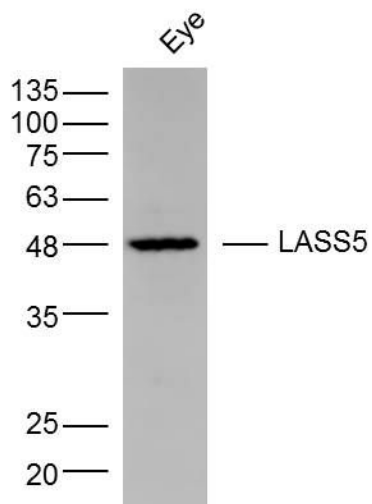
Provided below are standard protocols that you may find useful for product applications.

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

#### **LASS5 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LASS5) Polyclonal Antibody, Unconjugated (bs-5082R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



**Sample:**

Eye (Mouse) Lysate at 40 ug

Primary: Anti- LASS5 (bs-5082R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 48 kD