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# LASS4 Polyclonal Antibody

Catalog # AP70719

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IF, ICC, E |
| **Primary Accession** | Q9HA82 |
| **Reactivity** | Human, Rat, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 46399 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 79603 |
| **Other Names** | CERS4; LASS4; Ceramide synthase 4; CerS4; LAG1 longevity assurance homolog 4 |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

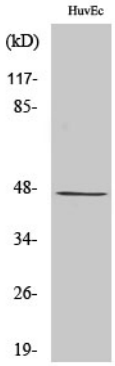
## Protein Information

| | |
|---|---|
| **Name** | CERS4 {ECO:0000303\|PubMed:17977534, ECO:0000312\|HGNC:HGNC:23747} |
| **Function** | Ceramide synthase that catalyzes formation of ceramide from sphinganine and acyl-CoA substrates, with high selectivity toward long and very-long chains (C18:0-C22:0) as acyl donor. |
| **Cellular Location** | Endoplasmic reticulum membrane {ECO:0000250\|UniProtKB:Q9D6J1}; Multi-pass membrane protein |

## Background

May be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing different fatty acid donors (N-linked stearoyl- (C18) or arachidoyl- (C20) ceramides) in a fumonisin B1-independent manner (By similarity).

## Images




Western Blot analysis of various cells using LASS4 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.