

# LASS6 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17693B

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6ZMG9</a>
<b>Other Accession</b>	<a href="#">NP_982288.1</a>
<b>Reactivity</b>	Mouse, Rat, Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB37704
<b>Calculated MW</b>	44890
<b>Antigen Region</b>	335-361

## Additional Information

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<b>Gene ID</b>	253782
<b>Other Names</b>	Ceramide synthase 6, CerS6, LAG1 longevity assurance homolog 6, CERS6, LASS6
<b>Target/Specificity</b>	This LASS6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-361 amino acids from the C-terminal region of human LASS6.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	LASS6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CERS6 ( <a href="#">HGNC:23826</a> )
<b>Function</b>	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: <a href="#">17609214</a> , PubMed: <a href="#">17977534</a> ,

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](#), 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}

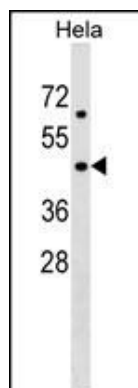
## Background

LASS6 may be involved in sphingolipid synthesis or its regulation (By similarity).

## References

Mesicek, J., et al. Cell. Signal. 22(9):1300-1307(2010)  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Yacoub, A., et al. Cancer Res. 70(3):1120-1129(2010)  
Erez-Roman, R., et al. Biochem. Biophys. Res. Commun. 391(1):219-223(2010)  
Senkal, C.E., et al. FASEB J. 24(1):296-308(2010)

## Images



LASS6 Antibody (C-term) (Cat. #AP17693b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the LASS6 antibody detected the LASS6 protein (arrow).

## Citations

- [γ-Tocotrienol induces apoptosis in pancreatic cancer cells by upregulation of ceramide synthesis and modulation of sphingolipid transport.](#)

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