

# CERS2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22022c

## Product Information

Application	WB, E
Primary Accession	<a href="#">Q96G23</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55088
Calculated MW	44876

## Additional Information

Gene ID	29956
Other Names	Ceramide synthase 2, CerS2, LAG1 longevity assurance homolog 2, SP260, Tumor metastasis-suppressor gene 1 protein, CERS2, LASS2, TMSG1
Target/Specificity	This CERS2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 137-168 amino acids from the Central region of human CERS2.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	CERS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Name	CERS2 {ECO:0000303   PubMed:17977534, ECO:0000312   HGNC:HGNC:14076}
Function	Ceramide synthase that catalyzes the transfer of the acyl chain from acyl-CoA to a sphingoid base, with high selectivity toward very-long-chain fatty acyl-CoA (chain length C22-C27) (PubMed: <a href="#">17977534</a> , PubMed: <a href="#">18165233</a> , PubMed: <a href="#">18541923</a> , PubMed: <a href="#">19728861</a> , PubMed: <a href="#">20937905</a> , PubMed: <a href="#">22144673</a> , PubMed: <a href="#">22661289</a> , PubMed: <a href="#">26887952</a> ,

PubMed:[29632068](#)). N- acylates sphinganine and sphingosine bases to form dihydroceramides and ceramides in de novo synthesis and salvage pathways, respectively (By similarity) (PubMed:[17977534](#), PubMed:[18165233](#), PubMed:[18541923](#), PubMed:[19728861](#), PubMed:[20937905](#), PubMed:[22144673](#), PubMed:[22661289](#), PubMed:[26887952](#), PubMed:[29632068](#)). Plays a non-redundant role in the synthesis of ceramides with very-long-chain fatty acids in kidney, liver and brain. Regulates the abundance of myelin-specific sphingolipids galactosylceramide and sulfatide that affects myelin sheath architecture and motor neuron functions (By similarity).

<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Expressed in kidney, liver, brain, heart, placenta and lung.

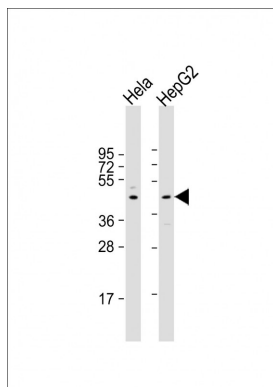
## Background

Suppresses the growth of cancer cells. May be involved in sphingolipid synthesis.

## References

Pan H.,et al.Genomics 77:58-64(2001).  
Qin W.-X.,et al.Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.  
Xingfeng C.,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## Images



All lanes : Anti-CERS2 Antibody (Center) at 1:2000 dilution  
Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

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