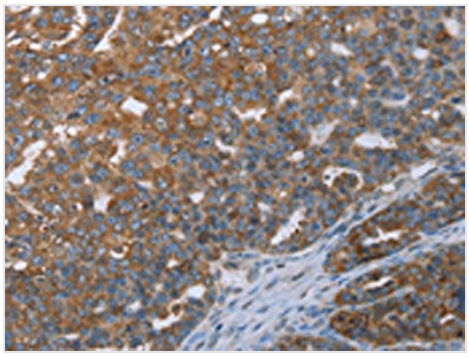
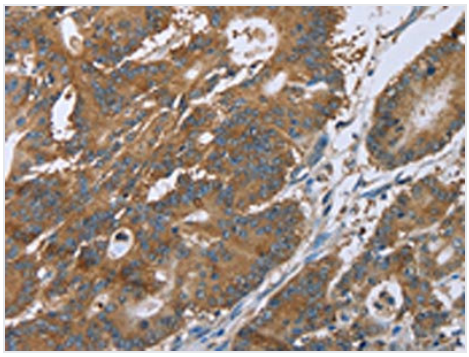
CERS4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CERS4, Polyclonal Antibody
Full Product Name	CERS4 Antibody
Product Gene Name	anti-CERS4 antibody
Product Synonym Names	ceramide synthase 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	46,399 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (8274217..8327305). Location: 19p13.2
3D Structure	ModBase 3D Structure for Q9HA82
Immunogen	Synthetic peptide of human CERS4
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CERS4 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CERS4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CERS4 antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-CERS4 antibody	MBS7129208 is an antibody targeting CERS4. Also known as CERS4 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CERS4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-CERS4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using MBS7129208(CERS4 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-CERS4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using MBS7129208(CERS4 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CERS4. It may not necessarily be applicable to this product.

NCBI GI #	205360977
NCBI GeneID	79603
NCBI Accession #	NP_078828.2
UniProt Primary Accession #	Q9HA82
UniProt Secondary Accession #	D6W665
UniProt Related Accession #	Q9HA82
GenBank Nucleotide #	NM_024552.2
NCBI Official Full Name	ceramide synthase 4
NCBI Official Synonym Full Names	ceramide synthase 4
NCBI Official Symbol	CERS4
NCBI Official Synonym Symbols	Trh1; LASS4
UniProt Protein Name	Ceramide synthase 4
UniProt Synonym Protein Names	LAG1 longevity assurance homolog 4
Protein Family	Ceramide synthase
UniProt Gene Name	CERS4
UniProt Synonym Gene Names	LASS4; CerS4
UniProt Entry Name	CERS4_HUMAN
NCBI Protein Information	ceramide synthase 4; LAG1 homolog, ceramide synthase 4; LAG1 longevity assurance homolog 4

UniProt Comments for CERS4	Lass4: 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. Protein type: Membrane protein, multi-pass; DNA-binding; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: endoplasmic reticulum membrane; nuclear membrane; endoplasmic reticulum; integral to membrane Molecular Function: DNA binding; sphingosine N-acyltransferase activity Biological Process: sphingolipid metabolic process; sphingolipid biosynthetic process; ceramide biosynthetic process
Research Articles on CERS4	**1.** The linkage and association of phospholipid transfer protein activity to LASS4 were studied.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cers4/7129208