BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-LASS5 CERS5 Antibody

Catalog Number: A08612

About CERS5

The LASS (longevity assurance homolog) family members represent a subgroup of the homeobox gene family and are highly conserved from yeasts to mammals. Six members of this family of proteins have been characterized (LASS1-6) and all are involved in ceramide synthesis during cell growth regulation and cancer differentiation. LASS5, also called Trh4, is a 392 amino acid endoplasmic reticulum, multi-pass membrane protein. Functioning as a dihydro-ceramide synthase, LASS5 is involved in the production of sphingolipids containing mainly one fatty acid donor (N-linked palmitoyl-ceramide) in a fumonisin B1-independent manner. It uses palmitoyl-CoA as an acyl donor and is involved in the synthesis of C14, C16 and C18-ceramide. LASS5 is the most abundantly expressed and predominant ceramide synthase isoform in lung epithelia. Recent studies show that LASS5 partially correct growth and apoptosis.

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Overview

Product Name	Anti-LASS5 CERS5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LASS5 CERS5 Antibody (Catalog # A08612). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	LASS5 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	LASS5 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8N5B7

Technical Details

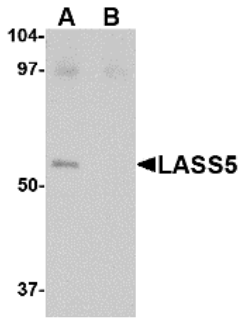
Immunogen	LASS5 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human LASS5. The immunogen is located within the last 50 amino acids of LASS5.

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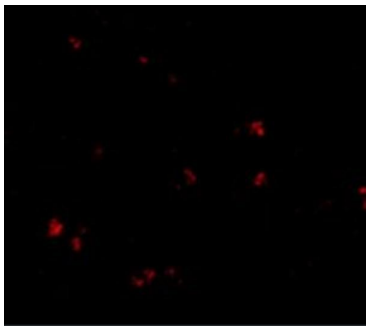
Predicted Reactive Species	Bovine, Rat
Cross Reactivity	Multiple isoforms of LASS5 are known to exist. This antibody may cross-react with the highly homologous LASS6.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	LASS5 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LASS5 antibody can be used for detection of LASS5 by Western blot at 1 ug/mL. Antibody can also be used for immunoflourescence starting at 20 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-LASS5 CERS5 Antibody (A08612) Images



Western blot analysis of LASS5 in SK-N-SH lysate with LASS5 antibody at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunofluorescence of LASS5 in human brain tissue with LASS5 antibody at 20 ug/mL.

Anti-LASS5 CERS5 Antibody

For Research Use Only. Not for use in diagnostic procedures.