LASS5 Antibody

Catalog No: #24719

Orders: order@signalwayantibody.com
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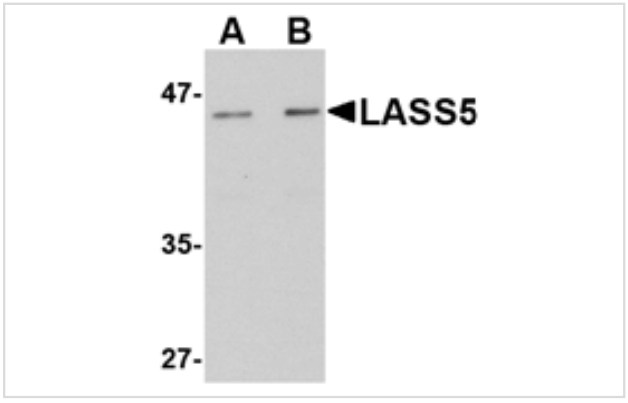
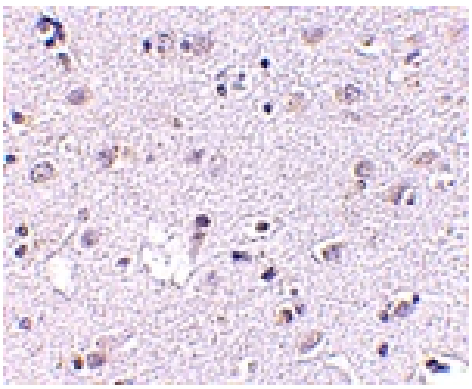
Description

Product Name	LASS5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	Multiple isoforms of LASS5 are known to exist. This antibody may cross-react with the highly homologous LASS6.
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide near the amino terminus of the human LASS5.
Target Name	LASS5
Other Names	Longevity Assurance Homolog 5, LAG1, TRH4
Accession No.	Swiss-Prot:Q8N5B7Gene ID:91012
Uniprot	Q8N5B7
GeneID	91012;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of LASS5 in rat brain tissue lysate with LASS5 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of LASS5 in human brain tissue with LASS5 antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only