## LASS5 Antibody

**Subcategory:** Rabbit Polyclonal Antibody
**Cat. No.:** 253908
**Unit:** 0.1 mg

**Description:**
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. Multiple isoforms of LASS5 are known to exist. This antibody may cross-react with the highly homologous LASS6.

**Isotype:** Rabbit Ig
**Applications:** E, WB, IF
**Species Reactivity:** H, M, R
**Format:** Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
**Alternate Names:** LASS5 ; Longevity Assurance Homolog 5; LAG1; TRH4
**Accession No.:** NP_671723

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within human LASS5.
**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:00-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.