CERS4 Polyclonal Antibody

Catalog Number:E-AB-13375

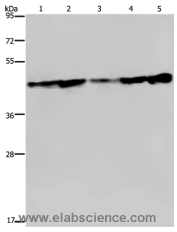
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	Synthetic peptide of human CERS4
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

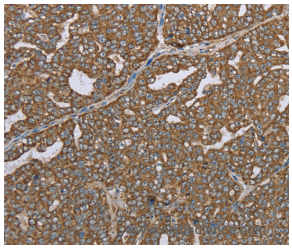
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

Data

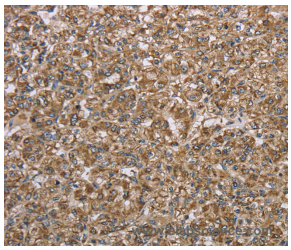


Western Blot analysis of Human fetal liver tissue, HT-29 and HUVEC cell, MCF-7 cell and Human hepatocellular carcinoma tissue using CERS4 Polyclonal Antibody at dilution of 1:300

Calculated Mw:46kDa



Immunohistochemistry of paraffin-embedded Human ovarian cancer using CERS4 Polyclonal Antibody at dilution of 1:35



Immunohistochemistry of paraffin-embedded Human prostate cancer using CERS4 Polyclonal Antibody at dilution of 1:35

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

The LASS (longevity assurance homolog) family members are highly conserved from yeasts to mammals. Six members of this family of proteins have been characterized (LASS1, LASS2, LASS3, LASS4, LASS5 and LASS6) and they are all

involved in sphingolipid synthesis. LASS4 is a 394 amino acid endoplasmic reticulum, multi-pass membrane protein. LASS4 increases the levels of long ceramides such as C22:0- and C24:0-ceramides. In cells deficient for CLN9, as observed in neuronal ceroid lipofuscinosis (NCL) or Batten disease, LASS4 can increase ceramide levels and partially correct growth and apoptosis.

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