

## CERS4 Polyclonal Antibody

catalog number: **E-AB-13375**

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

### Description

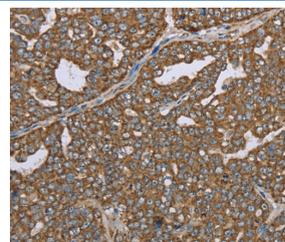
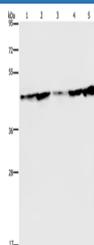
<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthetic peptide of human CERS4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

### Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:200

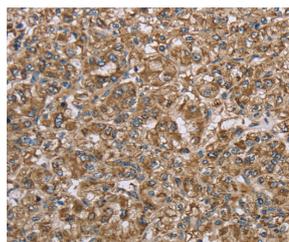
### Data



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

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

**Calculated-MW:46 kDa**



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

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

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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