

**bs-5077R****[ Primary Antibody ]****Ceramide synthase 2 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

sales@bioss.com.cn

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400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Chicken, Horse)  <b>Predicted MW.:</b> 45 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 29956	<b>SWISS:</b> Q96G23	
<b>Target:</b> Ceramide synthase 2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human LASS2: 201-300/380.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> LASS2 (LAG1 homolog, ceramide synthase 2) has sequence similarity to yeast longevity assurance gene 1. It is thought to be involved in sphingolipid synthesis. Expression of LASS2 is transiently increased during the period of active myelination and is specifically localized to white matter tracts of the brain, including the Schwann cells of sciatic nerves suggesting that LASS2 is important for the synthesis of dihydroceramide used for synthesis of myelin sphingolipids. Expression of LASS2 in hepatocellular carcinoma cell lines suppresses the growth of cancer cells.		

**— SELECTED CITATIONS —**

- **[IF=2.98]** Chen et al. Enhancement of DEN-induced liver tumorigenesis in hepatocyte-specific Lass2-knockout mice coincident with upregulation of the TGF- $\beta$ 1-Smad4-PAI-1 axis. (2014) Oncol.Rep. 31:885-93 **WB ;Mouse**. 24337404
- **[IF=2.6]** Abhipsa Mohapatra. et al.Lysophosphatidylcholine induces ceramide synthase-2 expression in primary culture model of astrogliopathy: potential therapeutic target in multiple sclerosis.MOLECULAR BIOLOGY REPORTS.2025 Jan 28;52(1):166. . 39870973