HS3ST3A1 蛋白抗体

产品货号： mlR17390

英文名称： HS3ST3A1

中文名称： HS3ST3A1 蛋白抗体

别　　名： 3-OST-3A; 30ST3A1; 3OST3A1; h3 OST 3A; h3-OST-3A; heparan sulfate (glucosamine) 3 O sulfotransferase 3A1; Heparan sulfate 3 O sulfotransferase 3A1; Heparan sulfate 3-O-sulfotransferase 3A1; Heparan sulfate D glucosaminyl 3 O sulfotransferase 3A1; Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1; Heparan sulfate glucosamine 3-O-sulfotransferase 3A1; HS3SA_HUMAN; HS3ST3A1.

研究领域： 细胞生物　信号转导　新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 45kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human HS3ST3A1:1-100/406 <Cytoplasmic>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta. [provided by RefSeq, Jul 2008]

Function:

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate. Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH2. The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes simplex virus-1 (HSV-1) and permits its entry. Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate.

Subcellular Location:

Golgi apparatus membrane.

Tissue Specificity:

Ubiquitous. Most abundant in heart and placenta, followed by liver and kidney.

Similarity:

Belongs to the sulfotransferase 1 family.

SWISS:

Q9Y663

Gene ID:

9955

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.