

[Go to Product page](#)

Datasheet for ABIN6977288

anti-HS6ST1 antibody (AA 311-411) (Alexa Fluor 488)

Overview

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| Quantity: | 100 µL |
| Target: | HS6ST1 |
| Binding Specificity: | AA 311-411 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HS6ST1 antibody is conjugated to Alexa Fluor 488 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human HS6ST1 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Dog,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | HS6ST1 |
| Alternative Name: | HS6ST1 (HS6ST1 Products) |

Target Details

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| Background: | <p>Synonyms: 6OST 1, 6OST1, DKFZp547H098, FLJ25392, H6 ST1, H6ST 1, H6ST1_HUMAN, Heparan sulfate 6 O sulfotransferase 1, Heparan sulfate 6 sulfotransferase, Heparan sulphate 6 O sulphotransferase 1, Heparan-sulfate 6-O-sulfotransferase 1, HS6 ST1, HS6ST 1, HS6ST , HS6ST-1, HS6ST1, MGC116899, MGC116901.</p> <p>Background: Heparan sulfate structures, which are responsible for executing multiple biologic activities, are generated and regulated by heparan sulfate (HS) biosynthetic enzymes. HS6ST1 (heparan sulfate 6-O-sulfotransferase 1), also known as HS6ST, is a 411 amino acid single-pass type II membrane protein that exists as multiple alternatively spliced isoforms and belongs to the sulfotransferase 6 family. Expressed in fetal brain, HS6ST1 functions as a 6-O-sulfation enzyme that specifically catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the N-sulfoglucosamine residue (GlcNS) HS. HS6ST1 is subject to post-translational N-glycosylation and is encoded by a functional gene on human chromosome 2 and a pseudogene on human chromosome 1 (known as LOC728969).</p> |
| Gene ID: | 9394 |
| UniProt: | O60243 |
| Pathways: | Glycosaminoglycan Metabolic Process |

Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |

Handling

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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |