

bs-11854R**[Primary Antibody]****HS6ST1 Rabbit pAb****BioSS**
ANTIBODIES

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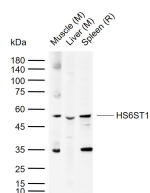
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse, Rat (predicted: Human, Rabbit)
GeneID: 9394	SWISS: O60243	
Target: HS6ST1		
Immunogen: KLH conjugated synthetic peptide derived from human HS6ST1: 185-260/411.		Predicted MW.: 48 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
Concentration: 1mg/ml		
Storage: 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.		
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).		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Muscle tissue lysates
Lane 2: Mouse Liver tissue lysates Lane 3: Rat
Spleen tissue lysates Primary: Anti-HS6ST1
(bs-11854R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 48 kDa Observed
band size: 55 kDa