

## Rabbit HS3ST3B1 Polyclonal Antibody | anti-HS3ST3B1 antibody

HS3ST3B1 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                           | APPLICATIONS |
|-----------|--------|------------------------------------------------------|--------------|
| AAA199735 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Pig, Rabbit, Rat | Western Blot |

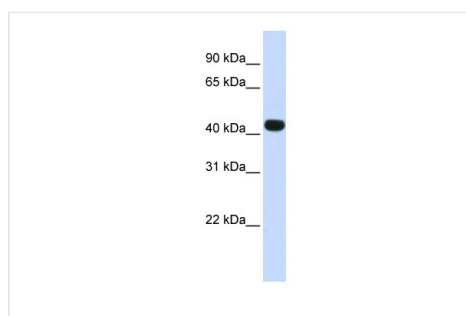
### PRODUCT SYNONYMS

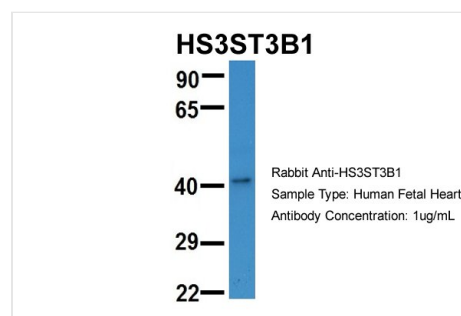
HS3ST3B1; Polyclonal Antibody; HS3ST3B1 antibody - N-terminal region; anti-HS3ST3B1 antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                |
| Reactivity                                         | Cow, Dog, Guinea Pig, Horse, Human, Pig, Rabbit, Rat                                                                                                  |
| Clonality                                          | Polyclonal                                                                                                                                            |
| Purity/Purification                                | Affinity Purified                                                                                                                                     |
| Form/Format                                        | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                           | Synthetic peptide with the following region: AM LCVWLYMFLY SCAGSCAAAP GLLLLGSGSR AAHDPPALAT APDGTPPR                                                  |
| Sequence Length                                    | 390                                                                                                                                                   |
| Applicable Applications for anti-HS3ST3B1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                           | Cow: 92%; Dog: 93%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Pig: 93%; Rabbit: 87%; Rat: 93%                                                         |
| Immunogen                                          | The immunogen is a synthetic peptide directed towards the N terminal region of human HS3ST3B1                                                         |
| Preparation and Storage                            | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-HS3ST3B1 Antibody Titration: 0.2-1 ug/mL  
ELISA Titer: 1:62500  
Positive Control: Human Muscle

**WB (Western Blot)**

Host: Rabbit  
Target Name: HS3ST3B1  
Sample Type: Human Fetal Heart  
Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HS3ST3B1 antibody | <p>This is a rabbit polyclonal antibody against HS3ST3B1. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: HS3ST3B1 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. 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.</p> |
| Product Categories/Family for anti-HS3ST3B1 antibody   | Polyclonal; Membrane Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 5174467                                                                         |
| NCBI GeneID                      | 9953                                                                            |
| NCBI Accession #                 | NP_006032                                                                       |
| NCBI GenBank Nucleotide #        | NM_006041                                                                       |
| UniProt Accession #              | Q9Y662                                                                          |
| Molecular Weight                 | 43kDa                                                                           |
| NCBI Official Full Name          | heparan sulfate glucosamine 3-O-sulfotransferase 3B1                            |
| NCBI Official Synonym Full Names | heparan sulfate-glucosamine 3-sulfotransferase 3B1                              |
| NCBI Official Symbol             | HS3ST3B1                                                                        |
| NCBI Official Synonym Symbols    | 3OST3B1; 3-OST-3B; h3-OST-3B                                                    |
| NCBI Protein Information         | heparan sulfate glucosamine 3-O-sulfotransferase 3B1                            |
| UniProt Protein Name             | Heparan sulfate glucosamine 3-O-sulfotransferase 3B1                            |
| UniProt Gene Name                | HS3ST3B1                                                                        |
| UniProt Synonym Gene Names       | 3OST3B1; HS3ST3B; 3-OST-3B; Heparan sulfate 3-O-sulfotransferase 3B1; h3-OST-3B |
| UniProt Entry Name               | HS3SB_HUMAN                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hs3st3b1-antibody-western-blot-elisa/199735>