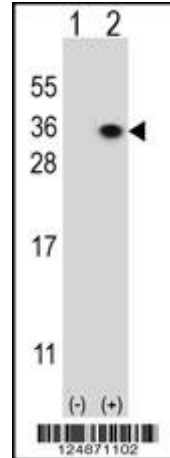


## Polyclonal Antibody to HS2ST1 / 2OST (N-term) - Purified

<b>Alternate names:</b>	2-O-sulfotransferase, HS2ST, Heparan sulfate 2-O-sulfotransferase 1, KIAA0448
<b>Catalog No.:</b>	TA300103
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. Heparan sulfate 2-O-sulfotransferase is a member of the heparan sulfate biosynthetic enzyme family. This family member transfers sulfate to the 2 position of the iduronic acid residue of heparan sulfate. The disruption of the HS2ST1 gene resulted in no kidney formation in knockout embryonic mice, indicating that the absence of this enzyme may interfere with the signaling required for kidney formation.
<b>Uniprot ID:</b>	<a href="#">O7LGA3</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">9653</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human HS2ST1.
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium azide
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to HS2ST1. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Pictures:**

Western blot analysis of HS2ST1 (arrow) using rabbit polyclonal HS2ST1 Antibody (N-term) (Cat# TA300103). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HS2ST1 gene (Lane 2) (Origene Technologies).



Western blot analysis of HS2ST1 Antibody (N-term) (Cat# TA300103) in HL-60 cell line lysates (35ug/lane). HS2ST1 (arrow) was detected using the purified Pab.

