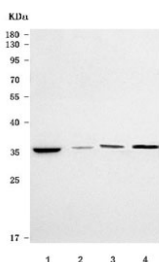


## ST6GALNAC4 Antibody (RQ7863)

Catalog No.	Formulation	Size
RQ7863	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9H4F1
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This ST6GALNAC4 antibody is available for research use only.



Western blot testing of 1) huma HeLa, 2) rat lung, 3) rat H9C2(2-1) and 4) mouse lung tissue lysate with ST6GALNAC4 antibody. Predicted molecular weight ~34 kDa.

## Description

ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4, also known as sialyltransferase 3C (SIAT3-C) or sialyltransferase 7D (SIAT7-D) is a sialyltransferase enzyme that in humans is encoded by the ST6GALNAC4 gene. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This

protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. Readthrough transcripts exist for this gene and the downstream ST6GALNAC6 gene.

## Application Notes

Optimal dilution of the ST6GALNAC4 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids D39-T302) was used as the immunogen for the ST6GALNAC4 antibody.

## Storage

After reconstitution, the ST6GALNAC4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.