

GalNAc4ST-1 Polyclonal Antibody

Description

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|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP03456 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CHST8. AA range:341-390 |
| Mol wt | 48834 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | GalNAc4ST-1 Antibody |
| Synonyms | CHST8; Carbohydrate sulfotransferase 8; GalNAc-4-O-sulfotransferase 1; GalNAc-4-ST1; GalNAc4ST-1; N-acetylgalactosamine-4-O-sulfotransferase 1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by CHST8 (carbohydrate sulfotransferase 8) belongs to the sulfotransferase 2 family. It is predominantly expressed in the pituitary gland, and is localized to the golgi membrane. This protein catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. It is responsible for sulfation of GalNAc on luteinizing hormone (LH), which is required for production of the sex hormones. Mice lacking this enzyme, exhibit increased levels of circulating LH, and precocious sexual maturation of both male and female mice. Alternatively spliced transcript variants have been found for CHST8.

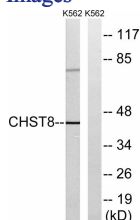
Recommended Dilution

WB: 1: 500 - 1: 2000

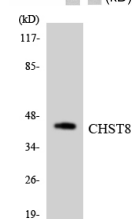
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of lysates from K562 cells, using CHST8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using CHST8 antibody.

Storage

-20°C for one year

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