

Product datasheet

Anti-ST3GAL3 antibody ab155022

[3 Images](#)

Overview

Product name	Anti-ST3GAL3 antibody
Description	Rabbit polyclonal to ST3GAL3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 141-375 of Human ST3GAL3 (UniProt: Q11203).
Positive control	NT2D1 and IMR32 whole cell lysates; MCF7 cells; Human Adrenal gland tumor tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab155022 in the following tested applications.

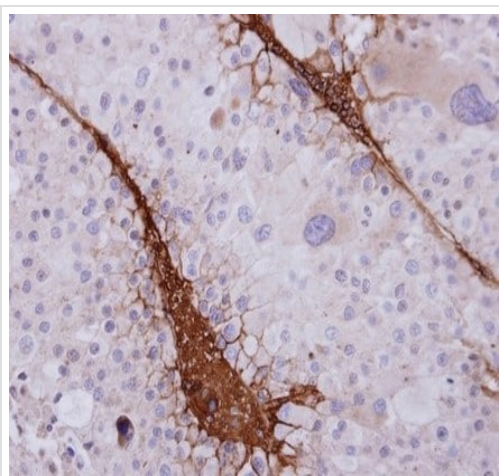
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 42 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

Target

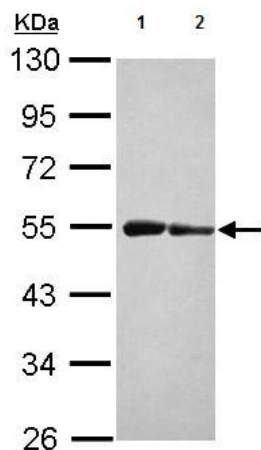
Function	Catalyzes the formation of the NeuAc-alpha-2,3-Gal-beta-1,4-GlcNAc-, NeuAc-alpha-2,3-Gal-beta-1,3-GlcNAc- or NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- sequences found in terminal carbohydrate groups of glycoproteins and glycolipids. The highest activity is toward Gal-beta-1,3-GlcNAc and the lowest toward Gal-beta-1,3-GalNAc.
Tissue specificity	Highly expressed in adult skeletal muscle and in all fetal tissues examined and to a much lesser extent in placenta, lung and liver.
Pathway	Protein modification; protein glycosylation.
Involvement in disease	Mental retardation, autosomal recessive 12 Epileptic encephalopathy, early infantile, 15
Sequence similarities	Belongs to the glycosyltransferase 29 family.
Post-translational modifications	The soluble form derives from the membrane form by proteolytic processing.
Cellular localization	Golgi apparatus, Golgi stack membrane. Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.

Images



Immunohistochemical analysis of paraffin-embedded Human adrenal gland tumor labeling ST3GAL3 with ab155022 at 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ST3GAL3 antibody (ab155022)



Western blot - Anti-ST3GAL3 antibody (ab155022)

All lanes : Anti-ST3GAL3 antibody (ab155022) at 1/5000 dilution

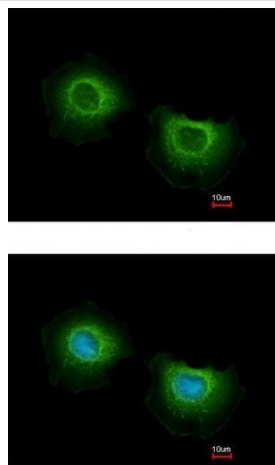
Lane 1 : NT2D1 whole cell lysate

Lane 2 : IMR32 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 42 kDa

10% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-ST3GAL3 antibody (ab155022)

Immunofluorescence analysis of methanol-fixed MCF7 labeling ST3GAL3 with ab155022 at 1/500 dilution. Lower image shows costaining with Hoechst 33342.

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