

Datasheet for ABIN952443
anti-GALNT2 antibody (N-Term)

3 Images

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Overview

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 0.4 mL |
| Target: | GALNT2 |
| Binding Specificity: | AA 32-62, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GALNT2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide between 32~62 amino acids from the N-terminal region of human GALNT2 |
| Isotype: | Ig Fraction |
| Specificity: | This antibody recognizes Human GALNT2 (N-term). |
| Purification: | Protein A column, followed by peptide affinity purification |

Target Details

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|-------------------|--------------------------------------------|
| Target: | GALNT2 |
| Alternative Name: | GALNT2 (GALNT2 Products) |

Target Details

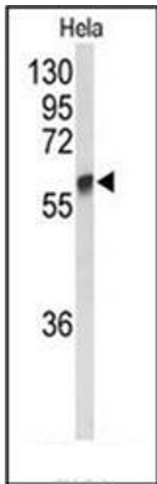
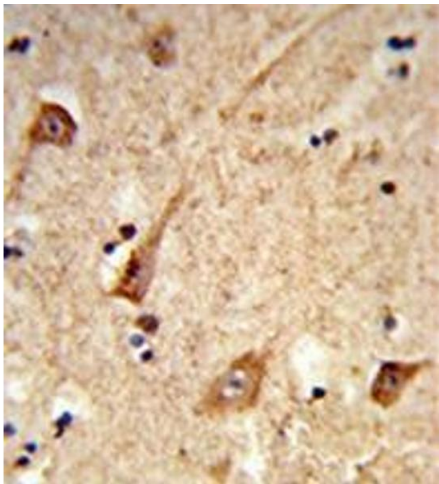
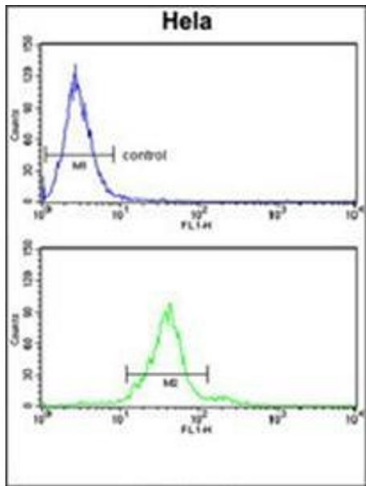
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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | GALNT2 encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases. Synonyms: GalNAc transferase 2, GalNAc-T2, Polypeptide N-acetylgalactosaminyltransferase 2, Protein-UDP acetylgalactosaminyltransferase 2, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 2, pp-GaNTase 2 |
| Molecular Weight: | 64733 Da |
| Gene ID: | 2590 |
| NCBI Accession: | NP_004472 |
| Pathways: | Production of Molecular Mediator of Immune Response |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS containing 0.09 % (W/V) Sodium Azide as preservative |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



Flow Cytometry

Image 1. Flow cytometry analysis of HeLa cells using GALNT2 Antibody (N-term) Cat.-No AP51767PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human brain tissue reacted with GALNT2 Antibody (N-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

Western Blotting

Image 3. Western blot analysis of GALNT2 Antibody (N-term) in HeLa cell line lysates (35ug/lane). GALNT2 (arrow) was detected using the purified Pab.