

Datasheet for ABIN950591
anti-B3GNT5 antibody (Middle Region)

2 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 0.4 mL |
| Target: | B3GNT5 |
| Binding Specificity: | AA 124-154, Middle Region |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | KLH conjugated synthetic peptide between 124~154 amino acids from the Central region of human B3GNT5 |
| Isotype: | Ig Fraction |
| Specificity: | This antibody reacts to B3GNT5. |
| Cross-Reactivity (Details): | Species reactivity (tested): Human and Mouse. |
| Purification: | Affinity chromatography on Protein A |

Target Details

| | |
|-------------------|---|
| Target: | B3GNT5 |
| Alternative Name: | B3GNT5 / Lc3 Synthase (B3GNT5 Products) |
| Background: | B3GNT5 is a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a |

Target Details

type II membrane protein. It exhibits strong activity to transfer GlcNAc to glycolipid substrates and is identified as the most likely candidate for lactotriaosylceramide synthase. This enzyme is essential for the expression of Lewis X epitopes on glycolipids. Synonyms: 3-N-acetylglucosaminyltransferase 5, 3-N-acetylglucosaminyltransferase-5, BGnT-5, Beta-1, Beta3Gn-T5, Lactotriaosylceramide synthase, UDP-GlcNAc:betaGal beta-1

Gene ID: 84002

NCBI Accession: [NP_114436](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) sodium azide as preservative

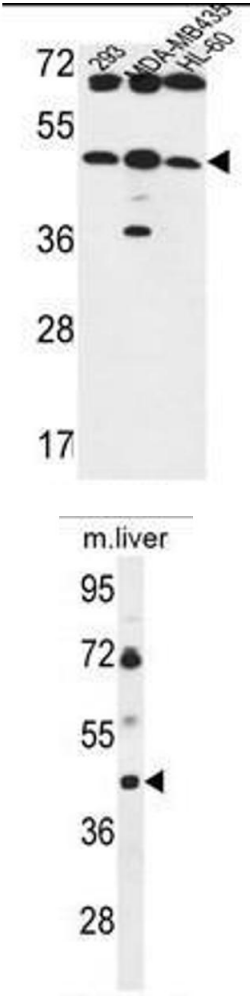
Preservative: Sodium azide

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 the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. B3GNT5 Antibody (Center) western blot analysis in 293,MDA-MB435,HL-60 cell line lysates (35µg/lane).This demonstrates the B3GNT5 antibody detected the B3GNT5 protein (arrow).

Western Blotting

Image 2. Western blot analysis of B3GNT5 Antibody (Center) in mouse liver tissue lysates (35µg/lane). B3GNT5 (arrow) was detected using the purified Pab.