Product datasheet

Anti-GCNT3 antibody ab227972

Overview

Product name: Anti-GCNT3 antibody
Description: Rabbit polyclonal to GCNT3
Host species: Rabbit
Tested applications: Suitable for: IHC-P, WB
Species reactivity: Reacts with: Human
Predicted to work with: Rhesus monkey
Immunogen: Recombinant fragment within Human GCNT3 (internal sequence). The exact sequence is proprietary.
Database link: O95395

Properties

Form: Liquid
Storage buffer: pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
 Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab227972 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Abreviews</th>
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<td>IHC-P</td>
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<td>1/100 - 1/1000.</td>
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**Function**
Glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. Mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. Has also l-branching enzyme activity by converting linear into branched poly-N-acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development.

**Tissue specificity**
Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.

**Pathway**
Protein modification; protein glycosylation.

**Sequence similarities**
Belongs to the glycosyltransferase 14 family.

**Post-translational modifications**
N-glycosylated.

**Cellular localization**
Golgi apparatus membrane.

### Images

**All lanes** : Anti-GCNT3 antibody (ab227972) at 1/1000 dilution

**Lane 1** : A549 (human lung carcinoma cell line) whole cell lysate

**Lane 2** : NCI-H1299 (human lung carcinoma cell line) whole cell lysate

**Lane 3** : HCT 116 (human colorectal carcinoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size** : 51 kDa

10% SDS-PAGE gel.
Paraffin-embedded human gastric cancer tissue stained for GCNT3 using ab227972 at 1/500 dilution in immunohistochemical analysis.

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