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Datasheet for ABIN1386286
anti-A4GNT antibody (AA 131-180)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | A4GNT |
| Binding Specificity: | AA 131-180 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This A4GNT antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human A4GNT |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Chicken |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | A4GNT |
| Alternative Name: | A4GNT (A4GNT Products) |

Target Details

Background: Synonyms: 4-N-acetylglucosaminyltransferase, A4GCT_HUMAN, A4GNT, Alpha 1 4 N acetylglucosaminyltransferase, Alpha-1, Alpha4GnT, EC 2.4.1., MGC149493.

Background: Alpha 1,4-N-acetylglucosaminyltransferase (Alpha4Gn-T) mediates the biosynthesis of mucin type glycoprotein (O-glycan). Alpha4Gn-T acts as the key enzyme for the formation of the unique glycan GlcNAc α 1-4Gal β 1-R, and most efficiently transfers N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. Alpha4Gn-T is a single-pass type II membrane protein associated with the Golgi apparatus and contains the conserved DXD motif involved in catalytic activity. It is expressed in stomach and pancreas, as well as in gastric cancer cells. Alpha4Gn-T is not expressed in peripheral blood cells, making it a useful biomarker for pancreatic cancer. Alpha4Gn-T and Mucin 6 expression is upregulated in the gastric mucosa of H.pylori infected patients, which suggest the involvement of ?Gn-T in defense against H. pylori infection.

Gene ID: 51146

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 μ g/ μ L

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months