

Datasheet for ABIN6937278

anti-FUT3 antibody



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Overview

Quantity:	100 µg
Target:	FUT3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FUT3 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Mucin isolated from a human ovarian cyst fluid
Clone:	2-25LE-same as LWB01
Isotype:	IgG1 kappa
Specificity:	<p>The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Lewis blood group antigens are carbohydrate moieties structurally integrated in mucous secretions. Lewis antigen system alterations have been described in gastric carcinoma and associated lesions. Anomalous expression of Lewis B antigen has been found in some non-secretory</p>

Product Details

gastric carcinomas and colorectal cancers.

Cross-Reactivity (Details): Human. Guinea Pig.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: FUT3

Alternative Name: FUT3 ([FUT3 Products](#))

Background: Blood group Lewis alpha-4-fucosyltransferase, Fucosyltransferase 3, Fucosyltransferase III, FucT-III, FUT3, Galactoside 3(4)-L-fucosyltransferase, gastric mucin, leB, lewis antigen system, lewis B blood group antigen, Lewis FT, major airway glycoprotein, Blood Group Antigen Lewis B
Cellular localisation: Cytoplasmic

Molecular Weight: 45kDa

Gene ID: 2525, 169238

UniProt: [P21217](#)

Application Details

Application Notes: Known_Application: Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: Colon.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months