



Rabbit Anti-Blood Group Lewis b antibody

SL12871R

Product Name:	Blood Group Lewis b
Chinese Name:	粘蛋白/岩藻糖基转移酶3抗体
Alias:	Blood group Lewis alpha-4-fucosyltransferase; Fucosyltransferase 3; Fucosyltransferase III; FucT-III; FUT3; FUT3_HUMAN; Galactoside 3(4)-L-fucosyltransferase; gastric mucin; leB; lewis antigen system; lewis b; Lewis B Blood Group antigen; Lewis FT; lewisb; major airway glycoprotein; MUC5; mucin 5, subtypes A and C, tracheobronchial/gastric; mucin 5AC, oligomeric mucus/gel-forming; mucin 5AC, oligomeric mucus/gel-forming pseudogene; mucin-5 subtype AC, tracheobronchial; TBM; tracheobronchial mucin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Blood Group Lewis b:165-280/361
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Glycosyltransferases that mediate the regio- and stereoselective transfer of sugars, such as the fucosyltransferases, determine cell surface-carbohydrate profiles, which is an essential interface for biological recognition processes. Fucosyltransferases catalyze the covalent association of fucose to different positional linkages in sugar acceptor molecules. The carbohydrate moieties generated and covalently attached to cell surfaces are necessary to ensure a surface contour that satisfies physiological roles, which are reliant on adhesion molecules such as Selectins (1-3). Hematopoietic lineages rely on Fucosyltransferases to confer a surface carbohydrate phenotype, which mediates proper cell adhesion molecule recruitment and cell trafficking (4-6). Blood Group Lewis b is a carbohydrate determinant carried on both glycolipids and glycoproteins.

Function:

Blood group Lewis b is a carbohydrate determinant carried on both glycolipids and glycoproteins, detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals.

Subcellular Location:

Plasma membrane - adsorbed onto the surface of erythrocytes.

Tissue Specificity:

Highly expressed in stomach, colon, small intestine, lung and kidney and to a lesser extent in salivary gland, bladder, uterus and liver.

Similarity:

Belongs to the glycosyltransferase 10 family.

SWISS:

P21217

Gene ID:

2525

Database links:

[Entrez Gene: 2525](#)Human

[Omim: 111100](#)Human

[SwissProt: P21217](#)Human

[Unigene: 169238](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail:

