

Datasheet for ABIN6939551

anti-ABO antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ABO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABO antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Mucinous colonic adenocarcinoma
Clone:	19-OLE
Isotype:	IgM kappa
Specificity:	Recognizes the blood group H type 2 antigens, trisaccharide Fuc1 of human origin. This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. It is expressed on endothelial cells, epithelial cells and granulocytes. Increased expression of this antigen has been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas.
Purification:	Purified by Protein A/G

Target Details

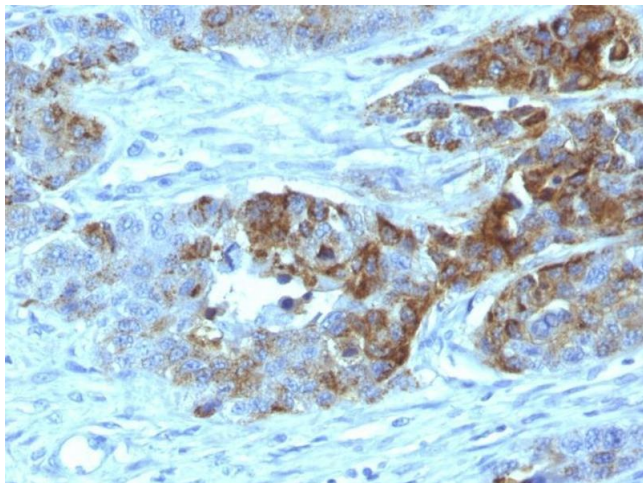
Target:	ABO
Alternative Name:	ABO (ABO Products)
Gene ID:	28
UniProt:	P16442

Application Details

Application Notes:	Positive Control: KG1 cells. Human colorectal carcinoma. Known Application: Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group Antigen H Type 2 Monoclonal Antibody (19-OLE)