

Datasheet for ABIN6940139

anti-MUC6 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MUC6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC6 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A synthetic peptide of the Gastric Mucin 6 tandem repeat sequence
Clone:	CLH5
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MUC6
Alternative Name:	MUC6 (MUC6 Products)
Background:	The MUC6 gastric mucin is a secreted glycoprotein that plays an essential role in epithelial cyto-protection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract. Mucin 6 expression is highest in the stomach and gall bladder, with

Target Details

lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2, Mucin 6 is also expressed in gastric metaplasia, duodenum and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.

Molecular Weight: 252kDa

Gene ID: 4588

UniProt: [Q6W4X9](#)

Application Details

Application Notes: Positive Control: Human stomach tissue (IHC).
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (2-4 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.

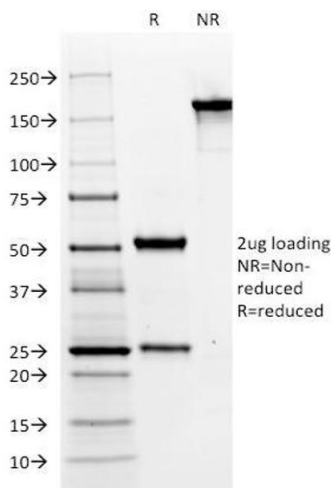
Preservative: Sodium azide

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

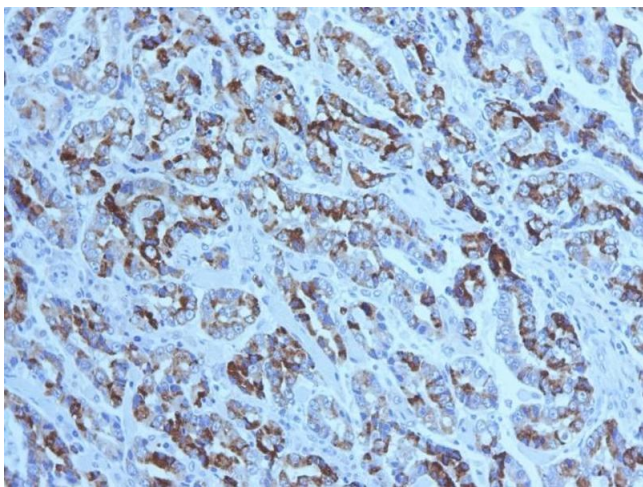
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MUC6 Mouse Monoclonal Antibody (CLH5). Confirmation of Integrity and Purity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC6 Mouse Monoclonal Antibody (CLH5). Courtesy of Dr. Leonor David, IPATIMUP and Medical Faculty, University of Porto, Portugal