

Anti-MUC5B antibody



Catalog Number: 175078

Product name

Anti-MUC5B antibody

Specificity

Human

Antibody description

Mouse monoclonal antibody to MUC5B

Preparation

This antigen of this antibody was purified recombinant fragment of human muc5b (aa: 26-166) expressed in e. coli.

Formulation

Liquid, 1*PBS with 0.05% sodium azide.

Storage

Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Clonality

Monoclonal

Ig Type

Mouse IgG1

Applications

WB, IHC-P, FC

Dilutions

WB: 1:500-1:2,000

IHC-P: 1:50-1:200

FC: 1:100-1:200

Validations

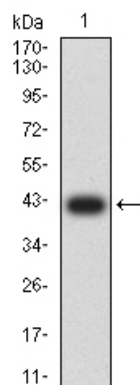
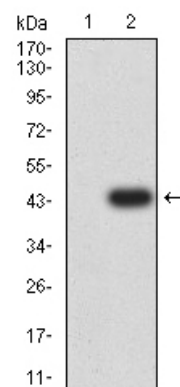


Fig1: Western blot analysis of MUC5B against human MUC5B (AA: 26-166) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour



at room temperature.

Fig2: Western blot analysis of MUC5B against HEK293 (1) and MUC5B (AA: 26-166)-hIgGfc transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

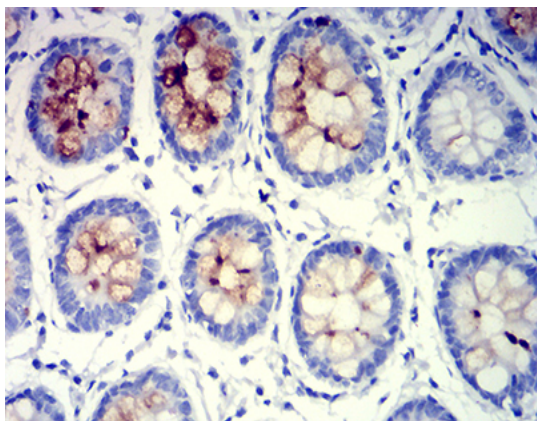


Fig3: Immunohistochemical analysis of paraffin-embedded rectum tissues using anti-MUC5B antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/100) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen.

Tissues were counterstained with hematoxylin and mounted with DPX.

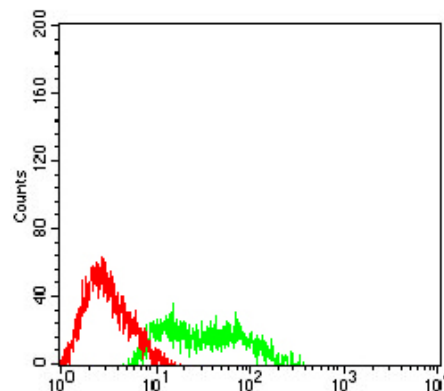


Fig4: Flow cytometric analysis of MUC5B was done on HL-60 cells. The cells were fixed, permeabilized and stained with the primary antibody (1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).