

Datasheet for ABIN2854862

anti-MUC4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	MUC4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC4 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Mucin 4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to Mucin 4 (mucin 4, cell surface associated) Mucin 4 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MUC4
Alternative Name:	mucin 4, cell surface associated (MUC4 Products)

Target Details

Background: The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats.

Cellular Localization: Membrane, Single-pass membrane protein (Potential) , Secreted

Molecular Weight: 232 kDa

Gene ID: 4585

UniProt: [Q99102](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

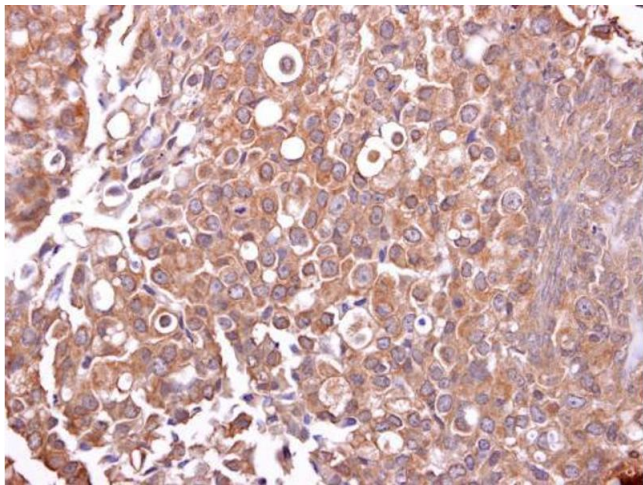
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

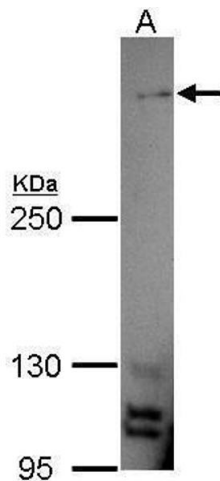
multiple freeze-thaw cycles.

Validation report #104426 for Immunohistochemistry (IHC)



Immunohistochemistry

Image 1. IHC-P Image Mucin 4 antibody detects Mucin 4 protein at cytosol on human breast carcinoma by immunohistochemical analysis. Sample: Mucin 4 antibody , dilution: 1:250.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: A549 7.5% SDS PAGE antibody diluted at 1:1000