

Datasheet for ABIN3031871  
**anti-MUC4 antibody (AA 1249-1444)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	MUC4
Binding Specificity:	AA 1249-1444
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC4 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Human partial recombinant protein (1249-1444) was used as the immunogen for this MUC4 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity

## Target Details

Target:	MUC4
Alternative Name:	MUC4 ( <a href="#">MUC4 Products</a> )
Background:	Mucin 4, also known as MUC4, is a mucin protein that in humans is encoded by the MUC4 gene. Like other mucins, Mucin 4 is a high-molecular weight glycoprotein. It is mapped to 3q29. In normal functioning, Mucin 4 is known to play anti-adhesive roles in the body, such as in

## Target Details

lubricating the reproductive lining. It is found in the respiratory tract, particularly in the trachea and lung and the digestive tract, in the esophagus and colon, as well as in the visual and auditory systems. Mucin 4 serves to protect and lubricate the epithelium, which facilitates transport and traps foreign particles. It is found to be overexpressed during the luteal phase of menstruation. Mucin 4 may also have a role in fetal morphogenic development.

Gene ID: 4585

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

## Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the MUC4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.  
Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

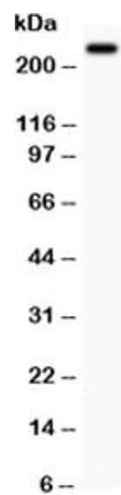
Storage Comment: After reconstitution, the MUC4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of MUC4 antibody and PC12 lysate



Western Blotting

**Image 2.** Western blot testing of MUC4 antibody and PC12 lysate