

Datasheet for ABIN6745722  
**anti-MUC1 antibody (AA 38-87)**



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2 Images

## Overview

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                         |
| Target:              | MUC1                                                                                                           |
| Binding Specificity: | AA 38-87                                                                                                       |
| Reactivity:          | Human, Cow, Goat, Monkey                                                                                       |
| Host:                | Rabbit                                                                                                         |
| Clonality:           | Polyclonal                                                                                                     |
| Conjugate:           | This MUC1 antibody is un-conjugated                                                                            |
| Application:         | Immunohistochemistry (IHC), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand:                | IHC-plus™                                                                                                                                                                                                                                                               |
| Immunogen:            | Synthetic peptide located between aa38-87 of human MUC1 (P15941, NP_002447). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%), Galago, Bat (92%), Marmoset, Goat, Hamster, Elephant, Bovine (85%).<br><br>Type of Immunogen: Synthetic peptide |
| Isotype:              | IgG                                                                                                                                                                                                                                                                     |
| Specificity:          | Human MUC1                                                                                                                                                                                                                                                              |
| Predicted Reactivity: | Percent identity by BLAST analysis: Human (100%) Bovine, Goat (85%).                                                                                                                                                                                                    |
| Purification:         | Immunoaffinity purified                                                                                                                                                                                                                                                 |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MUC1                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Name: | EMA / MUC1 ( <a href="#">MUC1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Name/Gene ID: MUC1</p> <p>Family: Mucin</p> <p>Synonyms: MUC1, CA15-3, CD227, Carcinoma-associated mucin, CD227 antigen, DF3 antigen, Episialin, Epithelial membrane antigen, H23 antigen, H23AG, Krebs von den Lungen-6, MAM6, MUC1/ZD, MUC-1/SEC, Mucin-1, Pem, KL-6, MUC-1/X, Tumor-associated mucin, Peanut-reactive urinary mucin, Polymorphic epithelial mucin, PUM, EMA, MUC-1, Mucin 1, transmembrane</p> |
| Gene ID:          | 4582                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Accession:   | <a href="#">NP_002447</a>                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt:          | <a href="#">P15941</a>                                                                                                                                                                                                                                                                                                                                                                                               |
| Pathways:         | <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

|                    |                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Approved: IHC, IHC-P (10 µg/mL), WB</p> <p>Usage: ELISA titer using peptide based assay: 1:12500. Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 - 100000 as second antibody.</p> |
| Comment:           | Target Species of Antibody: Human                                                                                                                                                                                                                                                |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                            |

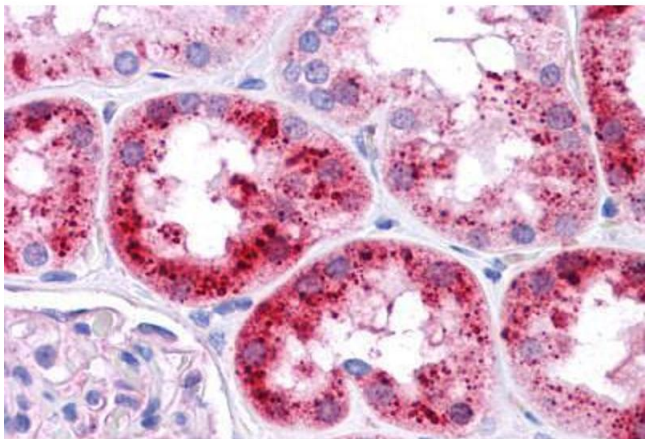
## Handling

|                  |                                       |
|------------------|---------------------------------------|
| Format:          | Lyophilized                           |
| Reconstitution:  | Distilled Water.                      |
| Concentration:   | Lot specific                          |
| Buffer:          | Lyophilized from PBS with 2 % sucrose |
| Handling Advice: | Avoid repeat freeze-thaw cycles.      |

Handling

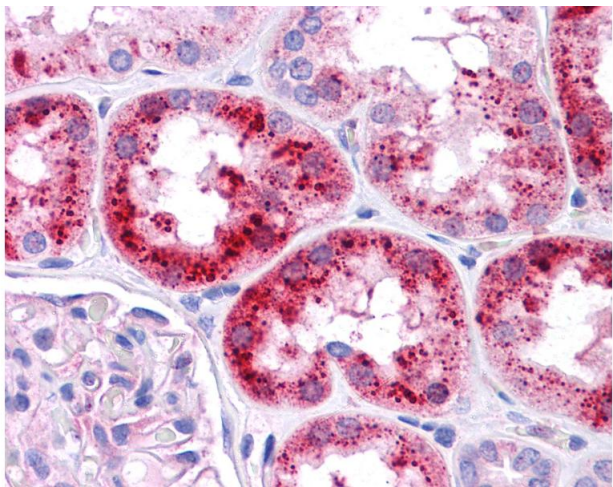
|                  |                                                                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | 4 °C,-20 °C                                                                                                                                                                             |
| Storage Comment: | Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)<br>Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles. |

Images



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

**Image 1.** Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry

**Image 2.** Anti-MUC1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml. This image was taken for the unconjugated form of this product. Other for ...