

**PAA413Mu03**

**Polyclonal Antibody to Mucin 1 (MUC1)**  
**Organism Species: Mus musculus (Mouse)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
 NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

## [ **PRODUCT INFORMATION** ]

**Immunogen:** MUC1, Mouse

**Clonality:** Polyclonal

**Host:** Rabbit

**Immunoglobulin Type:** IgG

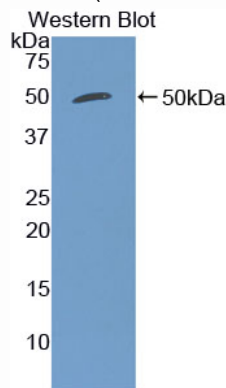
**Purification:** Affinity Chromatography.

**Applications:** WB, ICC, IHC-P, IHC-F, ELISA

**Concentration:** 200µg/mL

**UOM:** 100µg

9th Edition (Revised in Jul, 2013)



*Sample: Recombinant MUC1, Mouse*

## [ **IMMUNOGEN INFORMATION** ]

**Immunogen:** Recombinant MUC1 (Ser474~Leu630) expressed in *E.coli*.

**Accession No.:** RPA413Mu03

**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
 GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV  
 DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
 KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR  
 GSTAIGMKET AAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-SVVVEST  
 VVFREGTFSA SDVKSQLIQH KKEADDYNLT ISEVKVNEMQ FPPSAQSRPG VPGWGIALLV  
 LVCILVALAI VYFLALAVCQ CRRKSYGQLD IFPTQDTYHP MSEYPTYHTH GRYVPPGSTK  
 RSPYEEVSAG NGSSSLSYTN PAVVTTSANL

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against MUC1. It has been selected for its ability to recognize MUC1 in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02%  $\text{NaN}_3$ , 50% glycerol.

## **[ QUALITY CONTROL ]**

**Content:** The quality control contains recombinant MUC1 (Ser474~Leu630) disposed in loading buffer.

**Usage:** 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

**Note:** The quality control is specifically manufactured as the positive control. Not used for other purposes.

**Loading Buffer:** 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%,  $\text{NaN}_3$  0.02%.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.