

**PAA431Ra01**

**Polyclonal Antibody to Granzyme M (GZMM)**

**Organism: Rattus norvegicus (Rat)**

***Instruction manual***

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

8th Edition (Revised in Jun, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** GZMM, Rat

**Clonality:** Polyclonal

**Host:** Rabbit

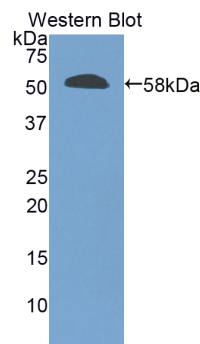
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

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

**Concentration:** 200µg/mL

**UOM:** 100µg



*Sample: Recombinant GZMM, Rat*

## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant GZMM (Ala19~Arg251) expressed in *E.coli*.

**USCN Accession No.:** RPA431Ra01

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

MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV  
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
KRIEAIQID KYLKSSKYIA WPLQG WQATF GGGDHPKSD GSTSGSGHHH HHSAGLVPR  
GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGSEF-AQ IIGGREAVPH  
SRPYMVSLQN TKSHMCGGV L VHQKWVLTAA HCLSEPLQQL KLVFGLHSLH DPQDPGLTFY  
IKQAIKHPGY NLKYENDLAL LKLDGRVKPS KNVKPLALPR KPRDKPAEGS RCSTAGWGIT  
HQRGQLAKSL QELDLRLLDT RMCNNSRFWN GVLTD SMLCL KAGAKGQAPC  
KGDSGGPLVC GKGKVDGILS FSSKNCTDIF KPTVATAVAP YSSWIRKVI G R

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against GZMM. It has been selected for its ability to recognize GZMM 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% NaN<sub>3</sub>, 50% glycerol.

## **[ QUALITY CONTROL ]**

**Content:** The quality control contains recombinant GZMM (Ala19~Arg251) 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%, NaN<sub>3</sub> 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.