

PAA101Mu01**Polyclonal Antibody to Matrix Metalloproteinase 3 (MMP3)****Organism Species: Mus musculus (Mouse)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]**Immunogen:** MMP3, Mouse**Clonality:** Polyclonal**Host:** Rabbit**Immunoglobulin Type:** IgG**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 200µg/mL**UOM:** 100µg**[IMMUNOGEN INFORMATION]****Immunogen:** Recombinant MMP3 (Phe100~Cys477) expressed in *E.coli*.**Accession No.:** RPA101Mu01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGSEF- F STFPGSPKWR KSHITYRIVN
YTPDLPRQSV DSAIEKALKV WEEVTPLTFS RISEGEADIM ISFAVGEHGD FVPFDGPGTV
LAHAYAPGPG INGDAHFD DD ERWTE DVTGT NLFLVAAHEL GHSLGLYHSA KAEALMPVY
KSSTDLSRFH LSQDDVDGIQ SLYGTPTASP DVLVPTKSN SLEPETSPMC SSTLFFDAVS
TLRGEVLFFK DRHFWRKSLR TPEPEFY LIS FWPSP LPSNM DAAYEVTNRD TVFIFKGNQF
WAIRGHEELA GYPKSIHTLG LPATVKKIDA AISNKEKRKT YFFVEDKYWR FDEKKQSM EP
GFPRKIAEDF PGVDSRVDAV FEAFGFLYFF SGSSQLEFDP NAKKVTHILK SNSWFNC

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against MMP3. It has been selected for its ability to recognize MMP3 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

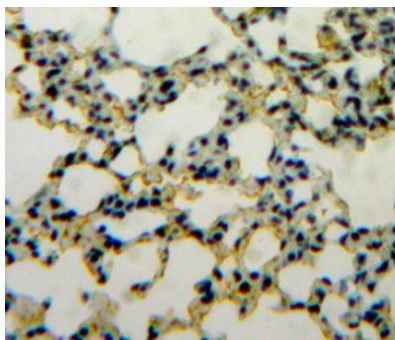
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

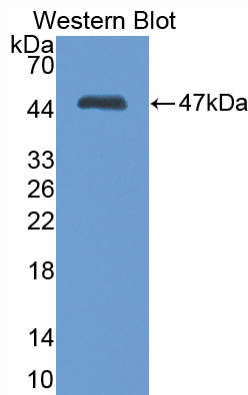
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[**IMAGES**]



Used in DAB staining on formalin fixed
paraffin-embedded Lung tissue



Used in Western Blot, Sample:
Recombinant MMP3, Mouse

[**CONTENTS**]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3 , 50% glycerol.

[**QUALITY CONTROL**]

Content: The quality control contains recombinant MMP3 (Phe100~Cys477) 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_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.