

PAA100Hu02

Polyclonal Antibody to Matrix Metalloproteinase 2 (MMP2)**Organism Species: Homo sapiens (Human)*****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:** MMP2, Human**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 MMP2 (Tyr110~Cys660) expressed in *E.coli*.**Accession No.:** RPA100Hu02**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSSEF-YNFFPRKPKW DKNQITYRII GYTPDLDPET VDDAFARAFQ
VWSDVTPLRF SRIHDGEADI MINFGRWEHG DGYPFDGKDG LLAHAFAPGT
GVGGDSHFDD DELWTLGEGQ VVRVKYGNAD GEYCKFPFLF NGKEYNSCTD
TGRSDGFLWC STTYNFEKDG KYGFCPHEAL FTMGGNAEGQ PCKFPFRFQG
TSYDSCCTEG RTDGYRWCGT TEDYDRDKKY GFCPETAMST VGGNSEGAPC
VFPFTFLGNK YESCTSAGRS DGKMWCATTA NYDDDRKWGF CPDQGYSLLF
VAAHEFGHAM GLEHSQDPGA LMAPIYTYTK NFRLSQDDIK GIQELYGASP
DIDLGTGPTPTLGPVTPEIC KQDIVFDGIA QIRGEIFFFK DRFIWRTVTP RDKPMGPLLV
ATFWPELPEK IDAVYEAPQE EKAVFFAGNE YWIYSASTLE RGYPKPLTSL GLPPDVQRVD
AAFNWSKNKK TYIFAGDKFW RYNEVKKKMD PGFPKLIADA WNAIPDNLDA VVDLQGGGHS
YFFKGAYLK LENQSLKSVK FGSIKSDWLG C

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against MMP2. It has been selected for its ability to recognize MMP2 in immunohistochemical staining and

western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

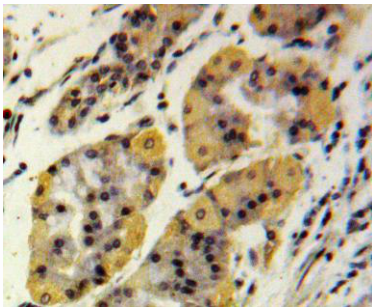
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

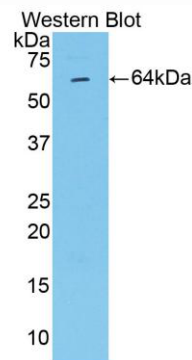
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample: Recombinant MMP2, Human

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant MMP2 (Tyr110~Cys660) 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%, NaN₃ 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.