

PAB214Ra01**Polyclonal Antibody to Aspartate Aminotransferase (AST)****Organism Species: Rattus norvegicus (Rat)****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:** AST, Rat**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 AST (Met1~Gln413) expressed in *E.coli*.**USCN Accession No.:** RPB214Ra01**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSGS-MAPPSFFAQV PQAPPVLVFK LIADFRDDPD PRKVN LGVGA
YRTDDSQPWV LPVVRKVEQK IANDHSLNHE YLPILGLAEF RSCASQLVLG DNSPALRENR
VGGVQSLGGT GALRIGADFL GRWYNGTDNK NTPVYVSSPT WENHNGVFSA
AGFKDIRSYR YWDAEKRGLD LQGFLNDLEN APEFSIFVLH ACAHNPTGTD PTEEEWKQIA
AVMKRRFLFP FFDSAYQGFA SGDLEKDAWA IRYFVSEGFE LFCAQSFSKN FGLYNERVGN
LTVVGKEHDS VLRVLSQMEK IVRITWSNPP AQGARIVATT LSNPELFKEW KGNVKT MADR
ILTMRSELRA RLEALKTPGT WSHITEQIGM FSFTGLNPKQ VEYLVNEKHI YLMPSGRINM
CGLTTKNLDY VATSINEAVT KFQ

[ANTIBODY SPECIFICITY]

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

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

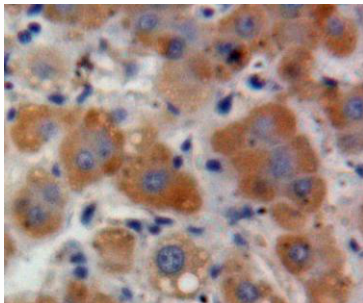
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

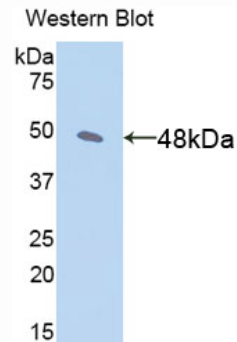
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample:
Recombinant AST, Rat

[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 AST (Met1~Gln413) 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.