

PAD853Mu01

Polyclonal Antibody to Aspartate Aminotransferase 2 (AST2)

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: AST2, 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 AST2 (Ser30~Lys430) expressed in *E.coli*.

Accession No.: RPD853Mu01

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSGS-S SWWTHVEMGP PDPILGVTEA FKRDNSKMM NLGVGAYRDD
NGKPYVLPVSV RKAEAQIAAK NLDKEYLPIG GLAEFCKASA ELALGENNEV LKSGRFVTVQ
TISGTGALRV GASFLQRFFK FSRDVFLPKP SWGNHTPIFR DAGMQLQGYR YYDPKTCGFD
FSGALEDISK IPEQSVLLLH ACAHNPTGVD PRPEQWKEIA SVVKKKNLFA FFD MAYQGFA
SGDGDKDAWA VRHFIEQGIN VCLCQSYAKN MGLYGERVGA FTVVCKDAEE AKRVESQLKI
LIRPLYSNPP LNGARIAATI LTSPDLRKQW LQEVKGMADR IISMRTQLVS NLKKEGSSHN
WQHITDQIGM FCFTGLKPEQ VERLTKEFSV YMTKDGRISV AGVTSGNVGY LAHAIHQVTK

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against AST2. It has been selected for its ability to recognize AST2 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

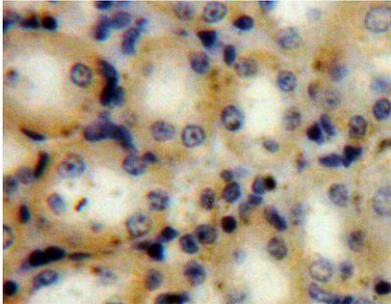
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

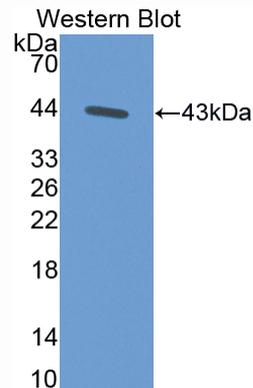
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[**IMAGES**]



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



Used in Western Blot, Sample:
Recombinant AST2, 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 AST2 (Ser30~Lys430) 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.