

PAE837Mu01

Polyclonal Antibody

To Aldehyde Dehydrogenase 7 Family, Member A1 (ALDH7A1)

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: ALDH7A1, 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 ALDH7A1 (Met29~Gln539) expressed in *E.coli*.

USCN Accession No.: RPE837Mu01

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

MGHHHHHSGS-MS TLLIHHPQYA WLQDLGLRED NEGVYNGSWG GRGEVITTYC
PANNEPIARV RQASLKDYEE TIGKAKKAWN IWADIPAPKR GEIVRKIGDA FREKIQLLGR
LVSLEMGKIL VEGIGEVQEY VDVCDYAAGL SRMIGGPTLP SERPGHALIE MWNPLGLVGI
ITAFNFPVAV FGWNNALALI TGNVCLWKGA PTTSLVSVAV TKIIAQVLED NLLPGAICSL
VCGGADIGTT MARDERVNLL SFTGSTQVGK EVALMVQERF GKSLLELGGN NAIIFEDAD
LSLVVPSVLF AAVGTAGQRC TTVRRLFLHE SIHNEVDRL RSAYSQIRVG NPWDPNILYG
PLHTKQAVSM FVRAVEEAKK QGGTVVYGGK VMDHPGNYVE PTIVTGLAHD APIVHQETFA
PILYVFKFQD EEEVFEWNE VKQGLSSSIF TKDLGRIFRW LGPKGSDCGI VNVNIPTSGA
EIGGAFGG EK HTGGGRESGS DAWKQYMRRS TCTINYSTSL PLAQGKIFQ

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against ALDH7A1. It has been selected for its ability to recognize ALDH7A1 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

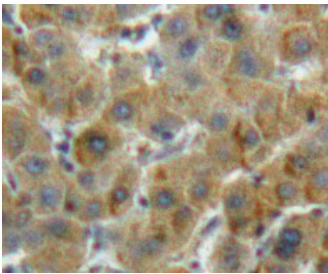
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

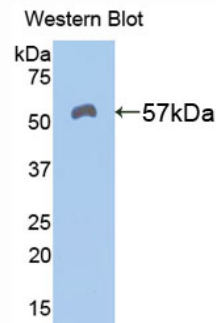
Enzyme-linked Immunosorbent Assay: 1:100-200

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 ALDH7A1, Mouse

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02% NaN_3 , 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant ALDH7A1 (Met29~Gln539) disposed in loading buffer.

Usage: 10 μL per well when 3,3'-Diaminobenzidine (DAB) as the substrate.
5 μL 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 (pH 8.8), 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.