

PAA875Hu01

Polyclonal Antibody to Carbonic Anhydrase I (CA1)

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: CA1, 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 CA1 (Ala2~Phe261) expressed in *E.coli*.

Accession No.: RPA875Hu01

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

MGHHHHHSGS-ASPDWGYDD KNGPEQWSKL YPIANGNNQS PVDIKTSETK
HDTSLKPISV SYNPAKAI INVGHSHFVN FEDNDNRSVL KGGPFSDSYR LQGFHFHWGS
TNEHGSEHTV DGVKYSALH VAHWNSAKYS SLAEAASKAD GLAVIGVLMK VGEANPKLQK
VLDALQAIKT KGKRAPFTNF DPSTLLPSSL DFWTYPGSLT HPPLYESVTW IICKESISVS
SEQLAQFRSL LSNVEGDNAV PMQHNNRPTQ PLKGRTVRAS F

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against CA1. It has been selected for its ability to recognize CA1 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

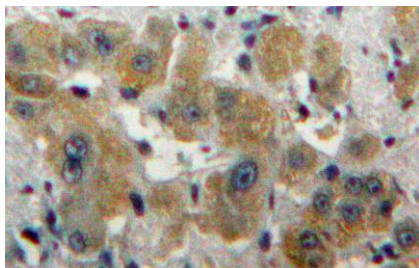
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

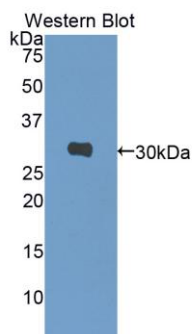
Enzyme-linked Immunosorbent Assay: 1:100-200

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 CA1,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 CA1 (Ala2~Phe261) 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.