PAA293Mu01

Polyclonal Antibody to Glutamate Dehydrogenase 1 (GDH)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific Affinity Chromatography.

Traits: Liquid

Concentration: 200μg/mL

UOM: 100μg

Applications: WB; IHC; ICC; IP.

[IMMUNOGEN]

Immunogen: Recombinant GDH (Asn65~Gly273) expressed in *E.coli*.

Accession No.: RPA293Mu01

[APPLICATIONS]

Western blotting: 0.5-5μg/mL

Immunohistochemistry: 5-20μg/mL

Immunocytochemistry: 5-20μg/mL

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant GDH disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
          5uL per well when used in enhanced chemilumescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN_3.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

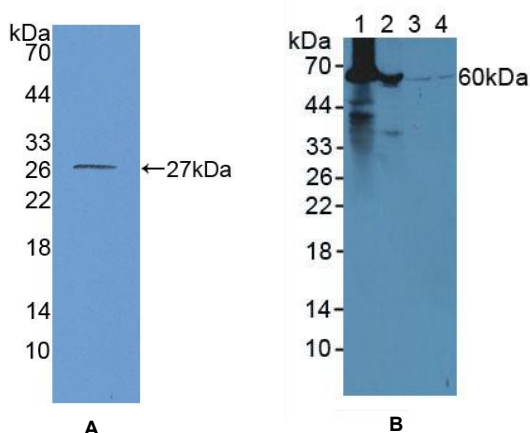# [IDENTIFICATION]

Figure 1. Western Blot

A. Sample: Recombinant GDH, Mouse

B. Lane1: Mouse Liver Tissue

Lane2: Mouse Lung Tissue

Lane3: Human Hela Cells

Lane4: Human 293T Cells

Primary Ab: 3µg/mL Rabbit Anti-Mouse GDH Ab

Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig
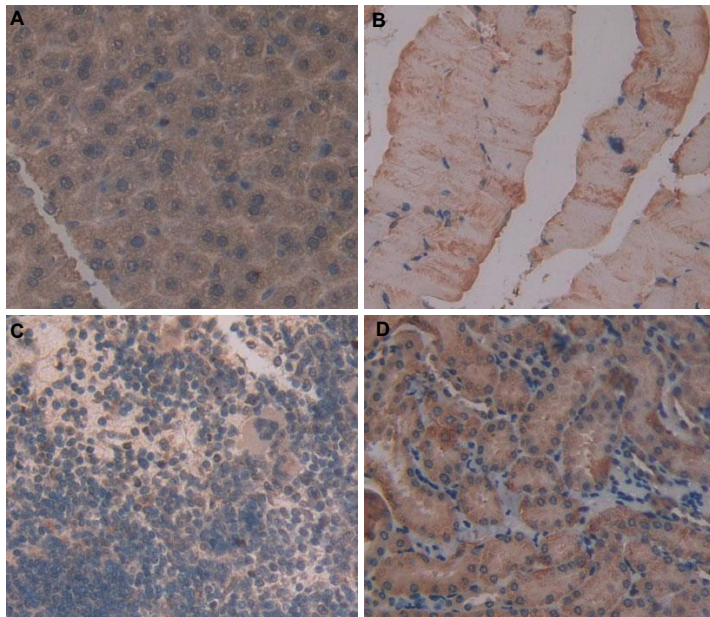
Anti-Rabbit Ab (Catalog: SAA544Rb59)

Figure 2. DAB staining on IHC-P

Samples:

A.   Mouse Liver Tissue

B.   Mouse Skeletal Muscle Tissue

C.   Mouse Spleen Tissue

D.   Mouse Kidney Tissue