



CAB932Hu22
Anti-Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH)
Monoclonal Antibody
Organism Species: Homo sapiens (Human)
Instruction manual

FOR RESEARCH USE ONLY

13th Edition (Revised in Jul, 2023)

[PROPERTIES]

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A/G Affinity Chromatography

Clone number: D1

Traits: Liquid

Concentration: 1mg/mL

Species reactivity: Mouse; Rat; Cavia; Bovine; Caprine; Ovine.

UOM: 200µg(200µL)

Applications: Loading Control of WB;IHC;IF

[IMMUNOGEN]

Immunogen: Recombinant GAPDH (Gly2~Ser148) expressed in *E.coli*.

Accession No.: RPB932Hu01

[APPLICATIONS]

Western blotting: 0.1ng/ml-100ng/ml;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: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 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

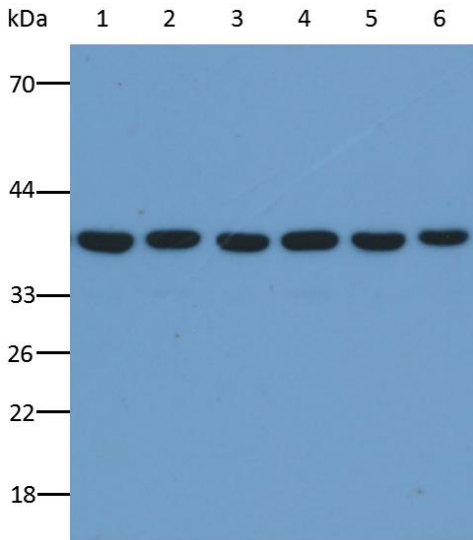
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 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 antibody 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]



Western Blot analysis of GAPDH in various cell lines

Lane1: DU145 whole cell lysate

Lane2: OS-RC-2 whole cell lysate

Lane3: T-47D whole cell lysate

Lane4: HEC-1B whole cell lysate

Lane5: HepG2 whole cell lysate

Lane6: HEK-293 whole cell lysate

Lysates/proteins at 20µg per lane.

Primary Ab: anti-GAPDH antibody (CAB932Hu22) at 0.1ng/ml

Secondary Ab: HRP-conjugated Rabbit anti-mouse antibody (SAA544Mu09) at 1/10000 dilution

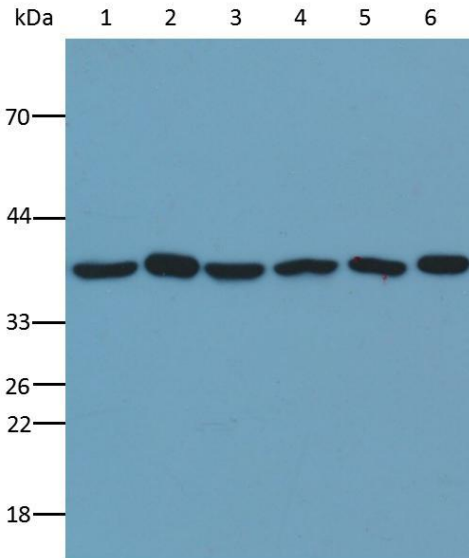
Developed using the ECL technique.

Calculated MW: 36KD

Observed MW: 36KD

Exposure time: 1 min

Western Blot analysis of GAPDH in various tissues of different species



Lane1: Rat heart, whole tissue lysate

Lane2: Porcine brain, whole tissue lysate

Lane3: Bovine kidney, whole tissue lysate

Lane4: Guinea pig liver, whole tissue lysate

Lane5: Rabbit pancreas, whole tissue lysate

Lane6: Caprine spleen, whole tissue lysate

Lysates/proteins at 20µg per lane.

Primary Ab: anti-GAPDH antibody (CAB932Hu22) at
0.3ng/ml

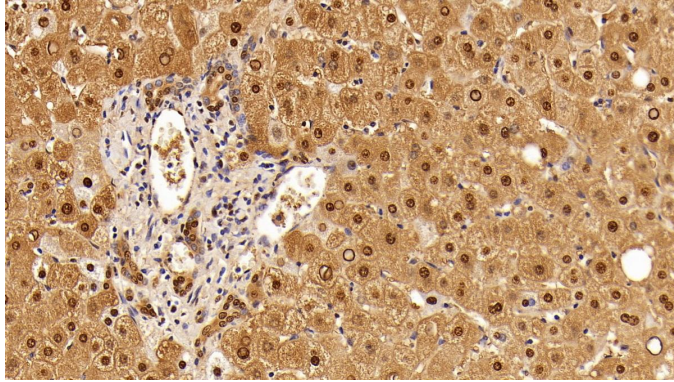
Secondary Ab: HRP-conjugated Rabbit anti-mouse antibody
(SAA544Mu09) at 1/10000 dilution

Developed using the ECL technique

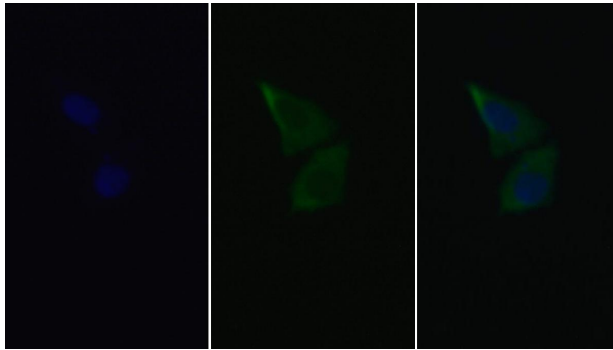
Calculated MW: 36KD

Observed MW: 36KD

Exposure time: 1 min



DAB staining on IHC-P; Sample: Human Liver Tissue;
Primary Ab: 10 μ g/ml Mouse Anti-Human GAPDH Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



FITC staining on IF;
Sample: Human HepG2 cell;
Primary Ab: 20 μ g/ml Mouse Anti-Human GAPDH Antibody
Second Ab: 1.5 μ g/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu18)

[Important Note]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.