CAB932Hu22

Anti-Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Monoclonal Antibody

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY

3rd Edition (Revised in Sep, 2019)

[PROPERTIES]

Host: Mouse
Antibody isotype: IgG1 Kappa
Purification: Protein A/G Affinity Chromatography
Clone number: D2F4
Traits: Liquid
Concentration: 1mg/mL
Species reactivity: Human, Mouse, Rat, Guinea pig, Rabbit, Porcine, Bovine, Caprine, Ovine, Gallus, Equine
UOM: 100μl
Applications: Loading Control of WB.

[IMMUNOGEN]

Immunogen: Recombinant GAPDH (Gly2~Ser148) expressed in *E.coli*.
Accession No.: RPB932Hu01

[APPLICATIONS]

Western blotting: 1/10000-1/10000000 (0.1ng/ml-100ng/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.

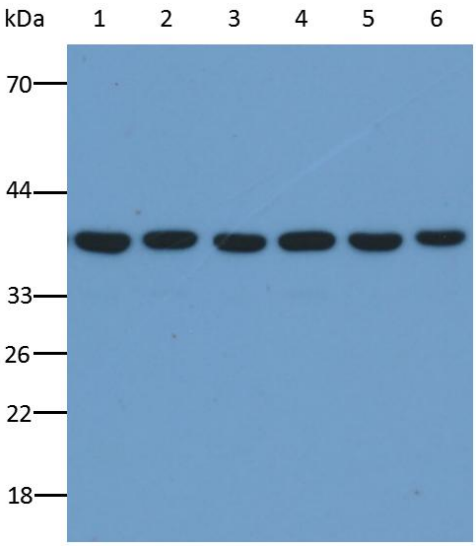
[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
Store at 4^{o}C for frequent use.
Aliquot and store at -20^{o}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^{o}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.

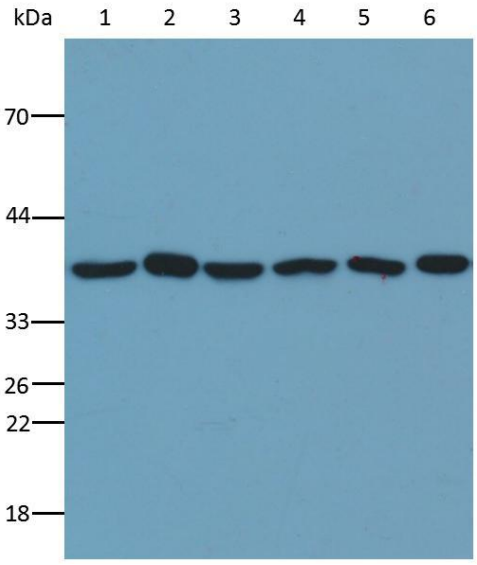
Primary Ab: anti-GAPDH antibody (CAB932Hu22) at 0.1ng/ml

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