PACKAGE INSERT

Anti-GAPDH Recombinant Rabbit Monoclonal Antibody

Code: RA1003 Size： 50ul

Product Details

Size	50ul
Species Reactivity	Human, Mouse, Rat, Zebrafish
Host/Isotype	Rabbit /IgG
Class	Mmonoclonal
Type	Secondary Antibody
Conjugate	Non-conjugated
Immunogen	Recombinant protein within mouse GAPDH aa 94-333 / 333.
Form	Liquid
Purification	Protein A affinity purified.
Storage buffer	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Contains	0.05% Sodium Azide.
Storage conditions	Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Applications	Tested Dilution	Publications
WB	1:5000 - 1:640000	-
ICC/IF	1:50 - 1:200	-
IHC-P	1:50 - 1:200	-
FC	1:50-1:100	-

Images

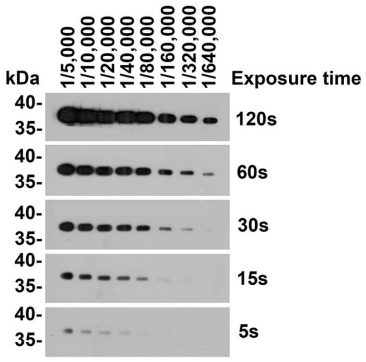

Fig1: Western blot analysis of GAPDH on Hela cell lysates with Rabbit anti-GAPDH antibody (RA1003).
Hela cell lysates at 10 µg/Lane.
Predicted band size: 36 kDa

Observed band size: 36 kDa
12% SDS-PAGE gel.
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (RA1003) at serial dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (S1002) at 1:5000 dilution was used for 1 hour at room temperature.

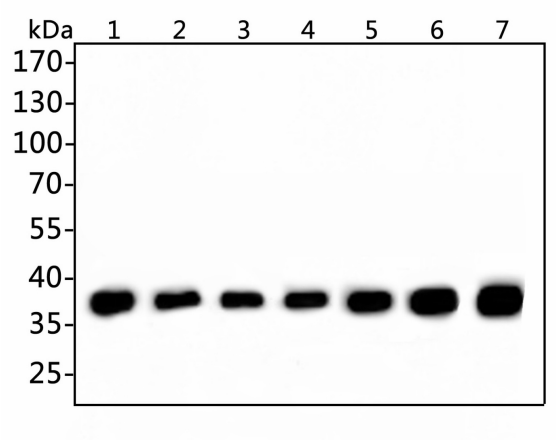

Fig2: Western blot analysis of GAPDH on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (RA1003, 1/5,000) was used in 5%NFDM/TBST at room temperature for 1 hour. Goat Anti-Rabbit IgG - HRP Secondary Antibody (S1002) at 1:5000 dilution was used for 45 mins at room temperature.
Positive control:
Lane 1: PC-3 cell lysate, 10 µg/Lane
Lane 2: Mouse colon tissue lysate, 20 µg/Lane
Lane 3: SHSY-5Y cell lysate, 10 µg/Lane
Lane 4: PC-3 cell lysate, 10 µg/Lane
Lane 5: NIH/3T3 cell lysate, 10 µg/Lane
Lane 6: SKBR3 cell lysate, 10 µg/Lane
Lane 7: Rat brain tissue lysate, 20 µg/

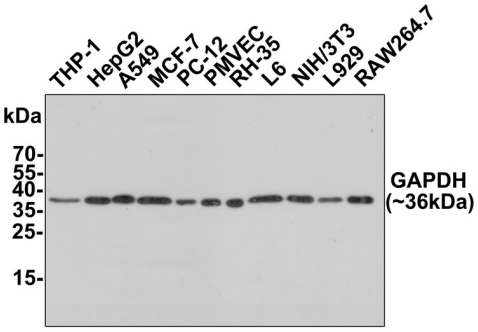

Fig3: Western blot analysis of GAPDH on different lysates with Rabbit anti-GAPDH antibody (RA1003) at 1/80,000 dilution.
Cell lysates at 10 µg/Lane, tissue lysates at 20 µg/Lane.
Exposure time: 1 minute;12% SDS-PAGE gel.
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (RA1003) at 1/80,000 dilution was used in 5%NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (S1002) at 1:5,000 dilution was used for 1 hour at room temperature.

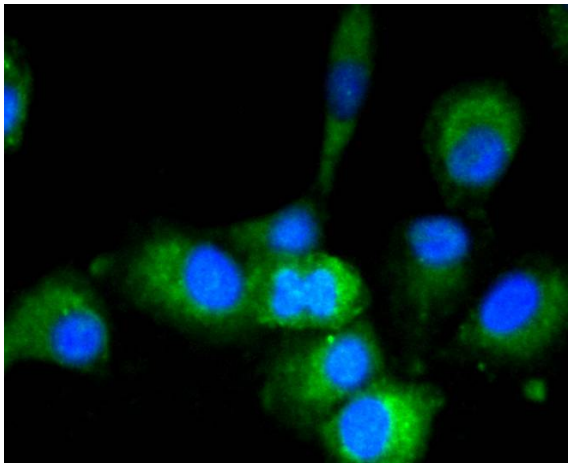

Fig4: ICC staining of GAPDH in A549 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (RA1003 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/500 dilution. The nuclear counter stain is DAPI (RP8961,blue).

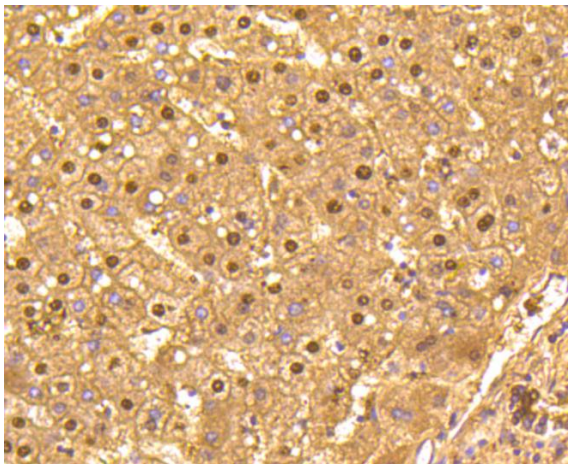

Fig5: Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GAPDH antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody(RA1003, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

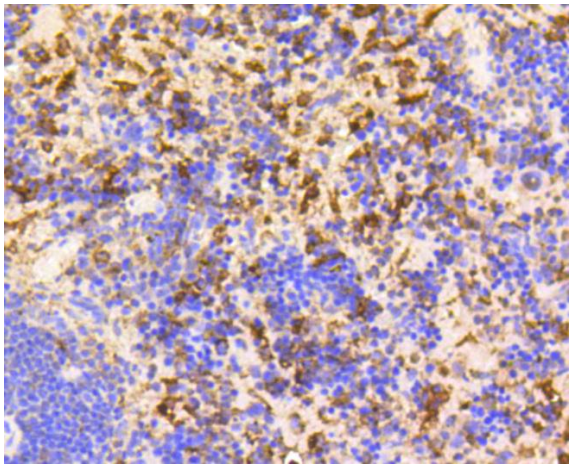

Fig6: Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-GAPDH antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (RA1003, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.