

Anti-GAPDH Antibody, Rabbit Polyclonal

Synonyms: G3PD, GAPD, Peptidyl-cysteine S-nitrosylase GAPDH

Basic Info

Catalog

CP00002HuA10

Host

Rabbit

Conjugate

None

Size

100 μ L

Concentration

1.0 mg/mL

Physical State

Liquid

Species Reactivity

Predict reacts with: Human/Mouse/Rat

Immunogen

Recombinant human GAPDH protein,
fragment Gly2~Glu335;

UniprotKB: P04406

Purification

Antigen Affinity Chromatography

Applications

WB/IHC/ICC

Property

Form & Buffer: Supplied in PBS, 50% glycerol, PH7.4.

Specificity / Sensitivity: Anti-GAPDH Antibody, Rabbit Polyclonal recognizes endogenous levels of total GAPDH protein.

Usage and Storage

Shipped at 4°C.

Store at 4°C for frequent use.

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

Avoid repeated freezing/thawing and violent shaking.

Please centrifuge it, before using.

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB: 0.5~5 μ g/mL

IF: 5~20 μ g/mL

IHC: 5~20 μ g/mL

ICC: 5~20 μ g/mL

QC Data

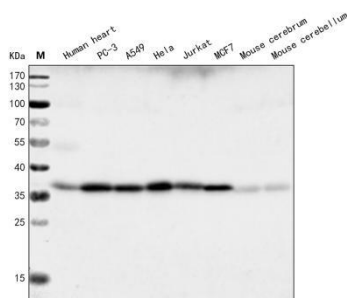


Figure 1. Application in WB

Western blot analysis of extracts of various cell lines using GAPDH antibody (CP00002HuA10) at 1:50000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 10% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

QC Data

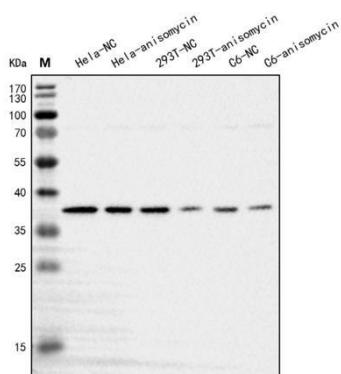


Figure 2. Application in WB

Western blot analysis of extracts of various cell lines using GAPDH antibody (CP00002HuA10) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 10% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.

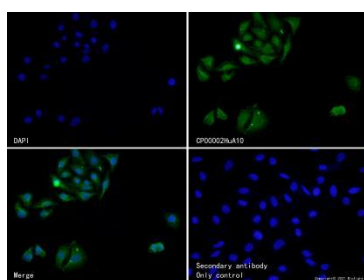


Figure 3. Application in ICC

Immunocytochemistry analysis of HeLa (Human cervical cancer cell) cells labeling GAPDH with purified CP00002HuA10 at 5 μ g/mL. Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Goat anti-Rabbit IgG (Alexa Fluor[®] 488, GB25303) was used as the secondary antibody at 1/1000 (2 μ g/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

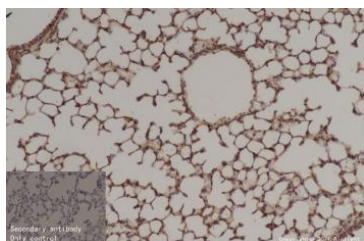


Figure 4. Application in IHC

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse lung tissue sections labelling GAPDH with purified CP00002HuA10 at 5 μ g/mL. Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond[™] Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB secondary antibody was used at 1/4000 dilution. PBS instead of the primary antibody was used as the negative control.

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