GAPDH Rabbit mAb(High Dilution)

www.abclonal.com

ABclonal

Catalog No.: A19056 Recombinant 466 Publications

Basic Information

Observed MW

36kDa

Calculated MW

36kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50888

Background

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against E. coli, P. aeruginosa, and C. albicans. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants...

Note Due to the high antibody titer, it is advisable to be diluted before use. Please dilute 5µL of the antibody solution with 45µL of PBS solution, containing 50% glycerol. The diluted antibody can be stored at -20°C.

Recommended Dilutions

WB 1:50000 - 1:300000

1:500 - 1:1000 **IHC-P**

1:50 - 1:200 IF/ICC

ELISA Recommended starting

> concentration is 1 µg/mL. Please optimize the concentration based on vour specific assav requirements.

Immunogen Information

Gene ID Swiss Prot 2597 P04406

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

G3PD; GAPD; HEL-S-162eP; GAPDH

Contact

a		400-999-6126
\bowtie		cn.market@abclonal.com.cn
•	ī	www.abclonal.com.cn

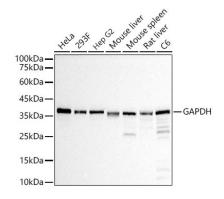
Product Information

Source Isotype **Purification** Rabbit Affinity purification IgG

Storage

Store at -20°C. Avoid freeze / thaw cycles.

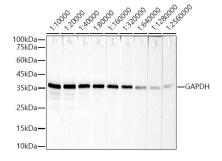
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates, using GAPDH Rabbit mAb (A19056) at 1:100000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of lysates from HeLa cells, using GAPDH Rabbit mAb (A19056) at

1:10000-1:2560000 dilution.

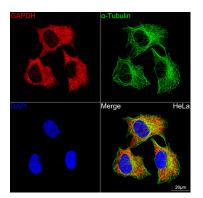
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

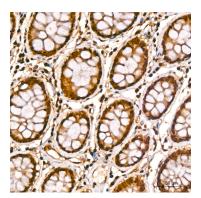
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

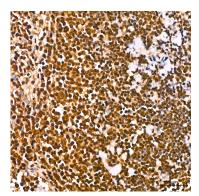
Exposure time: 10s.



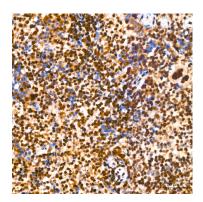
Confocal imaging of HeLa cells using GAPDH Rabbit mAb (A19056,dilution 1:100)(Red). The cells were counterstained with $\alpha\textsc{-}\textsc{Tubulin}$ Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



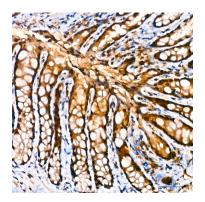
Immunohistochemistry analysis of paraffinembedded Human colon using GAPDH Rabbit mAb (A19056) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human spleen using GAPDH Rabbit mAb (A19056) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse spleen using GAPDH Rabbit mAb (A19056) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon using GAPDH Rabbit mAb (A19056) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.