

GAPDH-Loading Control Mouse mAb

GAPDH Mouse Monoclonal 内参抗体

Cat Numer: CY-2-0022

Storage buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage conditions: Shipped at 4°C. Store at-20 °C for one year. Avoid repeated freeze/thaw cycles.

Summary:

Host / Isotype: Mouse / IgG

Target Protein: GAPDH

Clonality: Monoclonal

Species Reactivity: Human,Mouse,Rat,Pig,Hamster

Applications: WB(1:500-10000)

Product Details:

Form: Liquid

Purification: affinity purified by Protein G

Gene ID: 2597

Swiss Prot: P04406

Synonyms: 38 kDa BFA-dependentADP-ribosylation substrate; Aging-associated gene 9 protein;

BARS-38; cb609; EC 1.2.1.12; G3PD; G3PDH; GAPD;

Background:

Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. As well as functioning as a glycolytic enzyme in cytoplasm, recent evidence suggests that mammalian GAPDH is also involved in a great number of intracellular processes such as membrane fusion, microtubule bundling, phosphotransferase activity, nuclear RNA export, DNA replication, and DNA repair. During the last decade a lot of data appeared concerning the role of GAPDH in different pathologies including prostate cancer progression, programmed neuronal cell death, age related neuronal diseases, such as Alzheimer's and Huntington's disease. GAPDH is expressed in all cells. It is constitutively expressed in almost all tissues at high levels. There are however some physiological factors such as hypoxia and diabetes that increase GAPDH expression in certain cell types. GAPDH molecule is composed of four 36kDa subunits.

Notes:

1. Quick spin before use. If you have any questions, please contact us.
2. Optimal concentrations/dilutions should be determined by the end user.
3. This product is for R&D only. Not for drug, household, or other uses.
4. For your safety and health, please wear a lab coat and disposable gloves during the operation.
5. The experimental results may be affected by many factors, after-sale service is limited to the product itself and does not involve other compensation.

Selected Validation Data:

Primary: Anti-GAPDH at 1/10000 dilution
Secondary: Goat Anti-Mouse IgG at 1/20000 dilution
Observed band size: 38 kDa
Observed band size: 38 kDa

