

Anti GAPDH Mouse Monoclonal Antibody

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Catalog Number : MAN1002

Lot Number : Refer to vial

Packaging Size : 100µL □ 1000µL □

Background

GAPDH is an enzyme of ~37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, GAPDH has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis ER to Golgi vesicle shuttling, and fast axonal, or axoplasmic transport. This GAPDH antibody can be used as a loading control antibody. There is no cross-reaction with GAPDH from yeast. Preliminary data indicates that the antibody recognizes the monomer (36 kDa) and also the dimer forms of GAPDH, but not the tetrameric form of the protein.

Overview

Description : Mouse monoclonal antibody to GAPDH [3G7]

Reactivity : Mouse, Rat, Human

Formulation : Liquid

Properties

Immunogen : Antibody is produced by immunizing mouse with Full length native protein from human erythrocytes.

Clonality : 3G7

Isotype : Mouse IgG1

Application notes

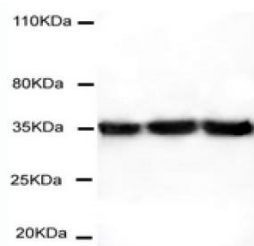


Fig. WB analysis (1:5000) of GAPDH expression in HeLa whole cell lysate (line 1), HEK293 cell lysate (line 2) and Jurkat cell lysate (line 3) with Anti-GAPDH mouse monoclonal antibody (3G7).

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB (1:2000-1:10000) IHC (1:50-1:200) IF/ICC (1:50-1:200)

Storage instruction

Store at +4°C short term (1-2 weeks).

Aliquot and store at -20°C or -80°C

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Distributor in China (Mainland)

Company : Shanghai hongsheng Biotechnology Co.,ltd

Address : Room 2-205, Xingzhan building, No.185, Liuying Road, Zhabei District, Shanghai

Tel : 86-21-56620378 **Fax** : 86-21-56620378

Email : sales@hongshengbio.com

Website : www.hongshengbio.com