GAPDH (1A6) monoclonal antibody

Catalog:：QS04020

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 proceses 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 dis- ease. GAPDH is expressed in all cells. It is constitutively expressed in almost all tissues at high levels.

Product:
1mg/ml in PBS with 0.02% sodium azide, 50% glycerol,pH7.2

Molecular Weight:
~ 36 kDa

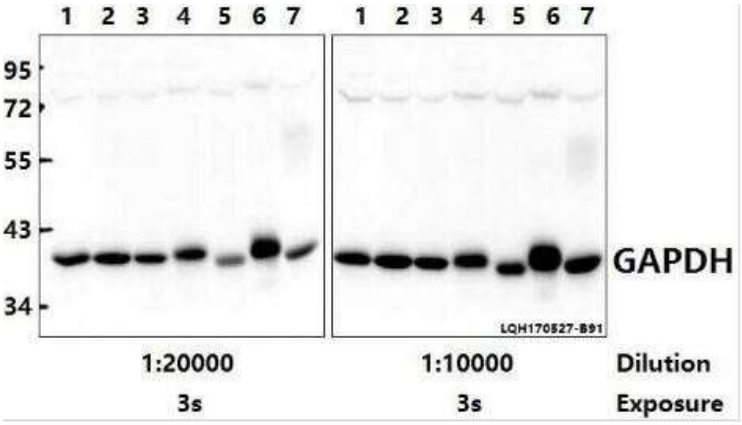
Purification&Purity:
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)..

Applications:
ELISA: 1:50000~1:100000
WB: 1:10000
IHC:1:500~1:1000
IF:1:500~1:1000

Storage&Stability:
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Specificity:
GAPDH (1A6) mAb detects endogenous levels of GAPDH protein.

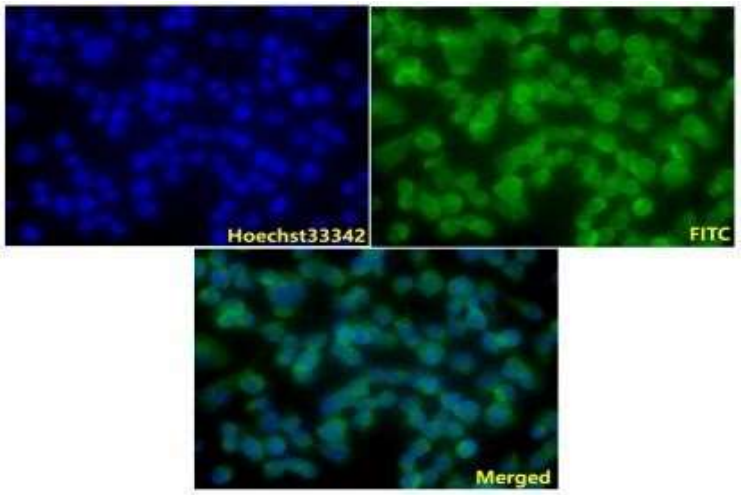
DATA:



Western blot (WB) analysis of GAPDH (1A6) mAb at 1:20000/1:10000 dilution
Lane1:L02 whole cell lysate(40ug)
Lane2:A549 whole cell lysate(40ug)

Lane3:MG63 whole cell lysate(40ug)
Lane4:PC12 whole cell lysate(40ug)
Lane5:BV2 whole cell lysate(40ug)
Lane6:The Brain tissue lysate of Rat(40ug)
Lane7:The Brain tissue lysate of Mouse(40ug)

Immunohistochemistry analyzes of GAPDH (1A6) antibody in paraf fin-embedded human liver tissue



IF image of MB001 stained A375 cells.The cells were 4% paraform-aldehyde fixed (20 min) and then incubated in 10% normal goat serum for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody GAPDH (1A6) mAb #MB001(1:100) at 10μg/ml overnight at +4°C. The second ary antibody (GREEN) was Goat Anti-Mouse IgG (H+L) FITC#BS50950 used at a 1/400 dilution for 1h. Hoechst33342 #BD5011 was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.