GAPDH polyclonal antibody

Catalog: BCP6601 Host: Rabbit Reactivity: Human,Mouse,Rat(not applicable to tissue)

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 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.

Product:

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

Molecular Weight:

~ 36 kDa

Swiss-Prot:

N/A

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:

WB:1:5000~1:20000

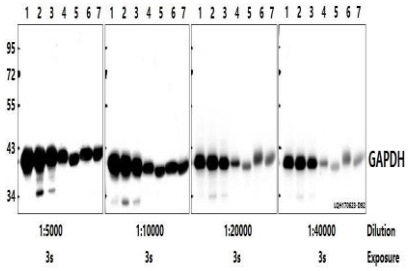
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

GAPDH polyclonal antibody detects endogenous levels of GAPDH protein.

DATA:



Western blot (WB) analysis of GAPDH pAb at 1:5000/1:10000/1:20000/1:40000 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)

Note:

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

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