

## GAPDH mAb (2B8), FITC Conjugated

<b>Catalog No.</b>	IDS0123
<b>Reactivity</b>	Human; Mouse; Rat; Mk; Dg; Ch; Hamster; Rabbit; Pig; sheep; Insect; Yeast
<b>Applications</b>	WB;IF/ICC
<b>Alternative Names</b>	Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH; GAPDH
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Mouse
<b>Dilution</b>	WB: 1:500-1:2000; IF: 1:50-1:200
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Concentration</b>	1 mg/ml
<b>Storage&amp;Stability</b>	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.
<b>Subcellular Location</b>	-
<b>MW</b>	~ 37 kDa
<b>Background</b>	Loading Control 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.
<b>Swiss-Prot</b>	P04406

### Products Images:



Western blot (WB) analysis of GAPDH mAb (2B8), FITC Conjugated at 1:500 dilution  
 Lane1:L02 whole cell lysate(20ug)  
 Lane2:NIH-3T3 whole cell lysate(20ug)