

bsm-33033R**[Primary Antibody]**

GAPDH Recombinant Rabbit mAb, Loading Control

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— DATASHEET —

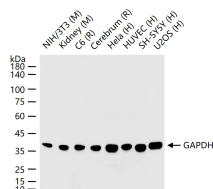
Host: Rabbit**Isotype:** IgG**Clonality:** Recombinant**GenelD:** 2597**Target:** GAPDH**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

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.

Applications: WB (1:5000-200000)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig, Chicken, Dog, Hamster, Monkey)**Predicted MW:** 38 kDa**Subcellular Location:** Cytoskeleton, Cytoplasm, Membrane, Nucleus

— VALIDATION IMAGES —



25 ug total protein per lane of various lysates
(see on figure) probed with GAPDH monoclonal antibody, unconjugated (bsm-33033R) at 1:100000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.