

## GAPDH (Loading Control) Polyclonal Antibody

Catalog: BS65656

Host: Rabbit

Reactivity: Human, Mouse, Rat,

### 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.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

38kD

### Swiss-Prot:

P04406

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:5000-20000 IHC-P=1:100-500

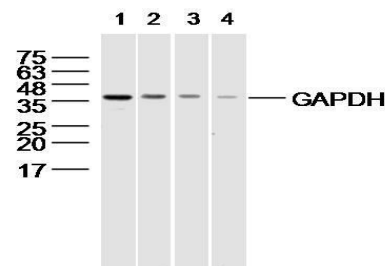
### Storage&Stability:

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

### Specificity:

GAPDH Polyclonal Antibody detects endogenous levels of GAPDH protein.

### DATA:



Sample: 293T(human) cell lysate at 30ug;

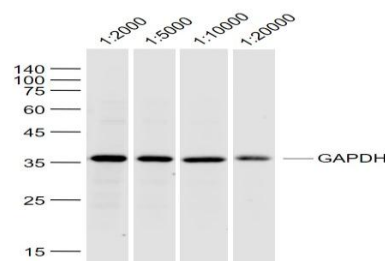
Primary:

Lane1: Anti-GAPDH at 1/2000 dilution

Lane2: Anti-GAPDH at 1/10000 dilution

Lane3: Anti-GAPDH at 1/40000 dilution

Lane4: Anti-GAPDH at 1/80000 dilution



Sample:

293T (Human) Lysate at 40 ug

Primary:

Anti-GAPDH at 1/2000~1/20000 dilution

### Note:

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

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