

# GAPDH Recombinant antibody

**Cat:B31001T**
**Company:** HaoKebio

**Uniprot ID:**P04406

**Applications:** IF/ICC : 1:250-1:1000

**Organism:**Rabbit

**WB :** 1:2500-1:25000

**Species reactivity:**Human Mouse Rat

**Molecular Weight Calculation:** 36 kDa

**Observed Molecular Weight:** 36 kDa

**Background:**

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. GAPDH participates in nuclear events including transcription, binding RNA, RNA transportation, DNA replication, DNA repair and apoptosis. Being stably and constitutively expressed at high levels in most tissues and cells, GAPDH is considered a housekeeping protein. It is widely used as a control for RT-PCR and also loading control in electrophoresis and Western blotting. GAPDH is normally expressed in cellular cytoplasm or membrane, but can occasionally translocate to the nucleus after the addition of post-translational modifications such as S-nitrosylation. This antibody is raised against full length GAPDH of human origin. It can recognize the 36 kDa GAPDH protein in most cells/tissues. In addition, a band below 36 kDa can always be detected as the isoform or spliced product of GAPDH. Please note that some physiologic factors, such as hypoxia and diabetes, increase GAPDH expression in certain cell types.

**Protein full name:**

glyceraldehyde-3-phosphate dehydrogenase

**Synonyms:**

1H18

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

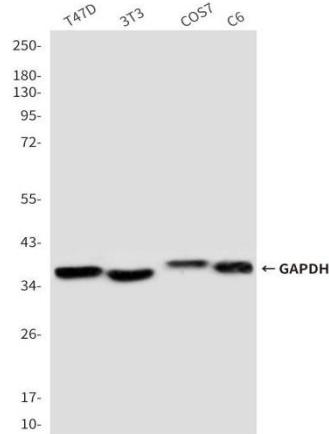
PBS with 0.02% sodium azide,100 µg/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 6.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Dilution of 1:25000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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