

## GAPDH

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:1000 - 1:10000 IHC 1:50 - 1:100 IF 1:20 - 1:50

**Calculated MW:** 36kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human GAPDH

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

GAPDH;G3PD;GAPD;MGC88685 ;

**Catalog #:** AC001

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2597

**Isotype:** IgG

**Swiss Prot:** P04406

**Purity:** Affinity purification

For research use only.

**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 transport, 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 was widely used as a control for RT-PACR and also loading control in electrophoresis and Western blotting. This antibody is a rabbit polyclonal antibody raised against full length GAPDH of human origin. It can recognize the 36kda GAPDH protein in most cells/tissues. Please note that some physiological factors, such as hypoxia and diabetes, increase GAPDH expression in certain cell types.

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