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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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