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# **GAPDH Rabbit mAb**

Catalog No.: A10868 Recombinant 11 Publications



#### **Basic Information**

### **Observed MW**

36kDa

#### **Calculated MW**

36kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### **Applications**

WB,IHC-P,IF/ICC,IP,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat, Monkey, Chicken, Zebrafish

# **Background**

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against E. coli, P. aeruginosa, and C. albicans. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants.

### **Recommended Dilutions**

WB	1:3000 - 1:10000
IHC-P	1:100 - 1:500
IF/ICC	1:100 - 1:200
IP	1:20 - 1:50

## Immunogen Information

**Gene ID Swiss Prot** 2597 P04406

# Immunogen

Recombinant protein of human GAPDH

### **Synonyms**

G3PD; GAPD; HEL-S-162eP; GAPDH

#### **Contact**

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### **Product Information**

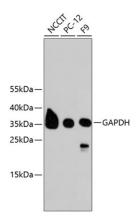
SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

# **Validation Data**



Western blot analysis of various lysates using GAPDH Rabbit mAb (A10868). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.