

## GAPDH Rabbit pAb

db7662

Package : 20μL 100μL 500μL 1mL

**Product Name** : GAPDH Rabbit pAb**Cat.No.:** db7662**Synonyms** : G3PD; GAPD; HEL-S-162eP**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat, Monkey, Chicken, Dog**Host species** : Rabbit**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. [provided by RefSeq, Nov 2014]

**Immunogen**

Recombinant protein of human GAPDH

**Gene ID**

2597

**Swiss Prot**

P04406

**Synonyms**

G3PD; GAPD; HEL-S-162eP

**Reactivity**

Human, Mouse, Rat, Monkey, Chicken, Dog

**Application**

WB, IHC, ICC/IF, FC

**Recommended dilution**

WB: 1:2000

IHC: 1:100

ICC/IF: 1:50

FC: 1:50

**Calculated MW**

36 kDa

**Observed MW**

36 kDa

<b>Host species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.