

Recombinant

DGRmAb®

GAPDH (DGR11217) Rabbit mAb

db11729

Package : 10µL 20µL 100µL 500µL 1mL

Product Name : GAPDH (DGR11217) Rabbit mAb**Cat.No.:** db11729**Synonyms :** G3PD; GAPD; HEL-S-162eP**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human, Mouse, Rat, Monkey, Rabbit, Chicken, Zebrafish, Rabbit, Xenopus tropicalis, Chinese hamster, E. Escherichia coli**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 encoded protein was originally identified as a key glycolytic enzyme that converts D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Subsequent studies have assigned a variety of additional functions to the protein including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Alternative splicing results in multiple transcript variants. Many pseudogenes similar to this locus are found throughout the mouse genome. [provided by RefSeq, Jan 2014]

Immunogen

Recombinant protein of human GAPDH

Gene ID

14433

Swiss Prot

P16858

Synonyms

G3PD; GAPD; HEL-S-162eP

Reactivity

Human, Mouse, Rat, Monkey, Rabbit, Chicken, Zebrafish, Rabbit, Xenopus tropicalis, Chinese hamster, E. Escherichia coli

Application

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

Recommended dilutionWB: 1:1000-1:5000
IHC-P: 1:200-1:2000
ICC/IF: 1:200-1:500
FC: 1:100-1:200
IP: 1:50**Calculated MW**

36 kDa

Observed MW

36 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11217
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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.

□ Western blot detection of GAPDH in C6,3T3,Hela cell lysates using GAPDH antibody(1:1000 diluted).

□ Immunofluorescence analysis of Hela cells labelling GAPDH with db11729.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11729 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.