







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 dilution WB: 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



For Research Use Only **Product Datasheet**

Host species Rabbit

Clonality Monoclonal

Clonality No. DGR11217

Isotype IgG

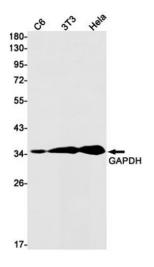
Purity Affinity Purification

Conjugation Un-conjugated

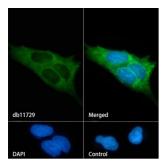
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.





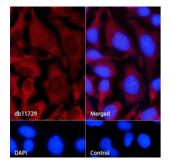
Western blot detection of GAPDH in C6,3T3,Hela cell lysates using GAPDH antibody(1:1000 diluted).



Immunofluorescence analysis of Hela cells labelling GAPDH with db11729.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 temperature 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.



Immunofluorescence analysis of HeLa cells labelling GAPDH with db11729.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 lgG (H+L)-AF647(db10006, shown in red). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.