

Recombinant

DGRmAb®

**GAPDH (DGR11217) Rabbit mAb (AF647)**

db11729-DL647

Package : 100µL

**Product Name** : GAPDH (DGR11217) Rabbit mAb (AF647)**Cat.No.:** db11729-DL647**Synonyms** : G3PD; GAPD; HEL-S-162eP**Application** : IHC-P, ICC/IF, FC**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**

IHC-P, ICC/IF, FC

**Recommended dilution**

ICC/IF: 1:200

**Calculated MW**

36 kDa

**Host species**

Rabbit

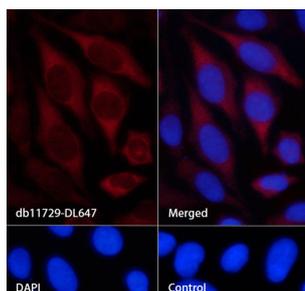
**Clonality**

Monoclonal

**Clonality No.**

DGR11217

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	AF647
<b>Concentration</b>	1 mg/mL
<b>Storage Stability</b>	Store at -20°C. Avoid exposure to light. Supplied in PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling GAPDH with db11729-DL647.

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-DL647 (1:200, shown in red) at room temperature for 1h. Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.