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Anti-GAPDH Mouse mAb [91D93]

Catalog No.: A32025

Basic Information

Catalog No. (Cat.No.)	A32025
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	GAPDH

Product Information

Target	GAPDH
Molecular Weight(Calculated)	38 kDa
Molecular Weight(Observed)	38 kDa
Isotype	IgG2b,Kappa
Conjugation	NA
Concentration	Please check the information on the tube.
Clonality	Monoclonal
Clone No.	91D93
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:10000-1:50000
IHC	1:1000-1:4000
IP	1:50-1:200
IF	1:100-1:500
ELISA	1:1000-1:5000

Target Information

Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
Gene Name	*GAPDH*
Domain	NA
Background	GAPDH is a core glycolytic enzyme responsible for glycolytic catalysis and multifaceted cellular homeostasis. GAPDH catalyzes oxidative phosphorylation of glyceraldehyde-3-phosphate, representing a key step in glycolysis. Apart from carbohydrate metabolism, it also participates in non-canonical biological events including DNA repair, apoptosis, signal transduction and vesicular trafficking. This monoclonal antibody recognizes mammalian GAPDH. It is constitutively and highly stably expressed in most cells and tissues, serving as one of the most popular loading controls for WB, IF and other assays. Note that hypoxia, metabolic reprogramming and cell activation may alter GAPDH abundance, so its suitability as reference should be validated per experimental setup. It is widely used in mammalian cell and tissue studies of metabolism, tumor biology and signaling pathways.