

GAPDH Monoclonal Antibody(2B8), HRP Conjugated

CatalogNo: YM2054

Key Features

Host Species

- Mouse

Reactivity

- Human,Rat,Mouse,Mk,Dg,Ch,Hamster,Rabbit,Pig,sheep,Insect,Yeast

Applications

- WB,IF,IHC

MW

- 36kD
(Calculated)

Isotype

- IgG1

Conjugate

- HRP

Recommended Dilution Ratios

Optimal working dilutions should be determined experimentally by the investigator

Suggested starting dilutions are as follows:WB 1:5000

IHC 1:200.

Storage

Storage*

Stable for one year at -15°C to -25°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Formulation

1mg/ml

Basic Information

Clonality

Monoclonal

Clone Number

2B8

Immunogen Information

Specificity

GAPDH Monoclonal Antibody(2B8) specially designed for your immunoassay as internal control.

Target Information

Gene name	GAPDH		
Protein Name	Glyceraldehyde-3-phosphate dehydrogenase		
	Organism	Gene ID	UniProt ID
	Human	2597 ;	P04406 ;
Cellular Localization	Cytoplasm, cytosol . Nucleus . Cytoplasm, perinuclear region . Membrane . Cytoplasm, cytoskeleton . Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal (By similarity). Postnuclear and Perinuclear regions (PubMed:12829261). .		
Tissue specificity	Astrocytoma,Brain,Cajal-Retzius cell,Colon adenocarcinoma,Epitheliu		
Function	Catalytic activity:D-glyceraldehyde 3-phosphate + phosphate + NAD(+) = 3-phospho-D-glyceroyl phosphate + NADH.,Function:Independent of its glycolytic activity it is also involved in membrane trafficking in the early secretory pathway.,online information:Glyceraldehyde 3-phosphate dehydrogenase entry,pathway:Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1.,pathway:Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.,PTM:Reversible S-nitrosylation of Cys-152 inhibits enzymatic activity and increases endogenous ADP-ribosylation, which inhibits the enzyme in a non-reversible manner. The latter modification is more likely to be a pathophysiological event associated with inhibition of gluconeogenesis.,sequence Caution:Differs quite extensively.,similarity:Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.,subcellular location:Postnuclear and Perinuclear regions.,subunit:Homotetramer.,subunit:Homotetramer. Binds PRKCI.,		

Validation Data

Contact information

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