GAPDH (2B8) Mouse mAb (HRP)

CatalogNo: YM2054

Key Features

Host Species	Reactivity	Applications
• Mouse	• Human,Mouse,Rat,Mk,Dg,Ch,Hamster,Rabbit,Pig,sheep,Insect,Yeast	• WB,IF,IHC
MW	**Isotype**	**Conjugate**
• 36kD (Calculated)	• IgG1	• 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	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol.

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;
Mouse	100042025;	P16858;
Rat	24383;	P04797;

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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Please scan the QR code to access additional product information:
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