GAPDH Rabbit pAb

CatalogNo: YN5585 Orthogonal Validated

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,Rabbit,Ch,Mk,sheep,X,Fish,Chicken,Guinea Pig,Duck	• WB,IHC,IF

MW	Isotype
• 37kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:5000
IHC 1:200
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Recombinant Protein of GAPDH
Specificity	The antibody detects endogenous GAPDH protein.

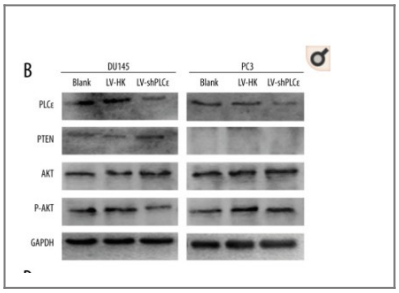
Target Information

Gene name	GAPDH
Protein Name	Glyceraldehyde-3-phosphate dehydrogenase

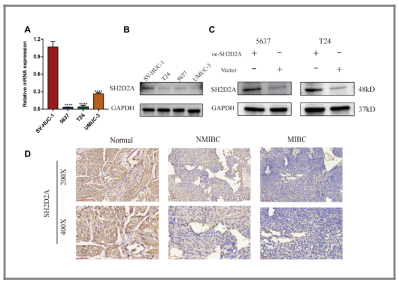
Organism	Gene ID	UniProt ID
Human	2597;	P04406;
Mouse	100042025;	P16858;
Rat	24383;	P04797;

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



Wang, Xiao, et al. "Knockdown of Phospholipase Cε (PLCε) Inhibits Cell Proliferation via Phosphatase and Tensin Homolog Deleted on Chromosome 10 (PTEN)/AKT Signaling Pathway in Human Prostate Cancer." Medical science monitor: international medical journal of experimental and clinical research 24 (2018): 254.



A novel CD8+ T cell-related gene signature for predicting the prognosis and immunotherapy efficacy in bladder cancer. INFLAMMATION RESEARCH Xu Ning WB Human 1:1000 5637 cell,T24 cell,UMUC-3 cell,SV-HUC-1 cell

Contact information

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