

Summary

Production Name	GAPDH Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Immunogen

Gene Name	GAPDH
Alternative Names	GAPDH;GAPD;CDABP0047;OK/SW-cl.12;Glyceraldehyde-3-phosphate dehydrogenase;GAPDH;Peptidyl-cysteine S-nitrosylase GAPDH
Gene ID	2597.0
SwissProt ID	P04406.

Application

Dilution Ratio	WB 1:10000-1:50000,IHC 1:2000-1:5000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
Molecular Weight	Calculated MW:38kD;Observed MW:38kD

Product Name: GAPDH Rabbit Monoclonal Antibody
Catalog #: AMRe21263

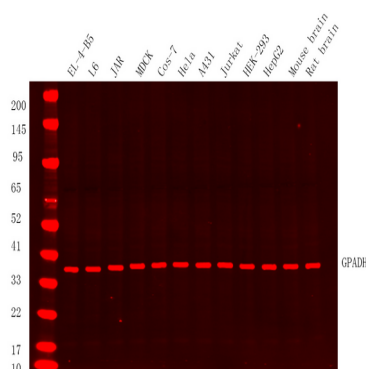


Background

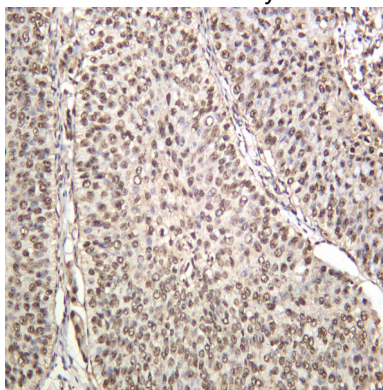
Cell localization: Cytoplasm, Nucleus. glyceraldehyde-3-phosphate dehydrogenase (GAPDH) Homo sapiens This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against *E. coli*, *P. aeruginosa*, and *C. albicans*. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferri

Research Area

Image Data

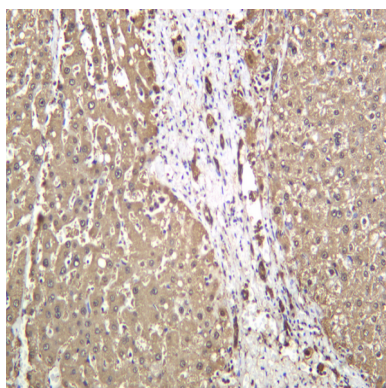


Western Blot analysis using Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GAPDH Rabbit antibody diluted at 1:20000.

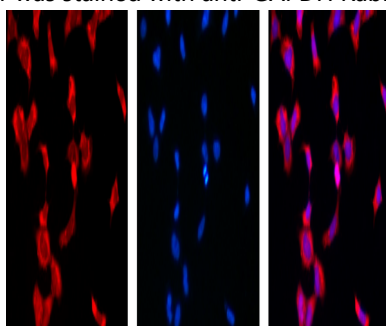


Human bladder carcinoma was stained with anti-GAPDH Rabbit antibody

Product Name: GAPDH Rabbit Monoclonal Antibody
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Human liver was stained with anti-GAPDH Rabbit antibody



A

B

C

Immunofluorescence analysis of HEK293. Picture A: GAPDH antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Note

For research use only.