

Product name:	GAPDH (12R9) Rabbit Monoclonal Antibody
Cat number:	MABN80004
Size:	100µL
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG1, Kappa
Immunogen:	Synthesized peptide derived from human protein. AA range:200-300
Reactivity:	Human,Mouse,Rat,Rabbit,Dog,Monkey
Applications:	WB 1:500-2000, ELISA 1:20000
Purification:	Protein A
Buffer:	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	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, etc.