

GAPDH(12R9)Rabbit Monoclonal Antibody



产品详情

产品货号	产品名称	储存条件	保质期
IM12059	GAPDH(12R9)Rabbit Monoclonal Antibody	-15℃to-25℃	1 年

产品详情:

产品货号	IM12059
别名	GAPDH;GAPD;CDABP0047;OK/SW-cl. 12;Glyceraldehyde-3-phosphate dehydrogenase;GAPDH;Peptidyl-cysteine S-nitrosylase GAPDH
产品名称	GAPDH(12R9)Rabbit Monoclonal Antibody
类别	抗原抗体
蛋白名称	Glyceraldehyde-3-phosphate dehydrogenase
推荐应用	WB, ELISA
反应种属	Human, Mouse, Rat, Rabbit, Dog, Monkey
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	2597
Mouse Gene ID	P16858
免疫原	Synthesized peptide derived from human protein. AA range:200-300
特异性	endogenous
稀释度	WB 1:500-2000, ELISA 1:20000
参考分子量	37kDa
预测分子量	37kDa

运输及保存条件	-15℃to-25℃/1year (Do not lower than -25℃)
宿主	Monoclonal Rabbit IgG1, Kappa
背景介绍	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.
细胞定位	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).
表达	Astrocytoma, Brain, Cajal-Retzius cell, Colon adenocarcinoma, Epitheliu

功能	<p>catalytic activity:D-glyceraldehyde3-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 Dglyceraldehyde 3-phosphate:step1., 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</p>
纯化	Protein A

注意事项:

1. 本产品仅供科研使用。请勿用于医药、临床诊断或治疗，食品及化妆品等用途。请勿存放于普通住宅区。
2. 为了您的安全和健康，请穿好实验服并佩戴一次性手套和口罩操作。
3. 实验结果可由多种因素影响，相关处理只限于产品本身，不涉及其他赔偿。

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