



GAPDH Rabbit mAb

Catalog No	YP-nAb-1172
Isotype	IgG
Reactivity	Human,Mouse,Rat,Monkey,Rabbit,Chicken,Zebrafish,Hamster,Escherichia Coli
Applications	WB,IHC-F,IHC-P,ICC/IF,FC,IP
Alternative Name	Gapd; Peptidyl-cysteine S-nitrosylase GAPDH
Antibody dilution ratio	WB-1:1000-1:5000; IHC-P-1:200-1:2000; ICC/IF-1:200-1:500; FC-1:100-1:200; IP-1:20-1:50
SwissProt ID	P16858
Host Species	Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Gene ID	14433
Gene Name	GAPDH
Clonality	Monoclonal Antibody
Molecular Weight	Calculated MW: 36 kDa; Observed MW: 36 kDa
Immunogen	Recombinant protein of human GAPDH
Research Field	Neuroscience
Background	Swiss-Prot Acc.P16858.Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting Dglyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Modulates the organization and assembly of the cytoskeleton. Facilitates the CHP1 -dependent microtubule and membrane associations through its ability to stimulate the binding of CHP1 to microtubules. Also participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC. Component of the GAIT(gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma treatment assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation.
Purification Method	Affinity Purified

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CCK8试剂盒、QPCR检测试剂盒

检测服务:

ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测
ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套
| 宏基因组、转录组、基因组、蛋白组、代谢组测序



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Form

Liquid

Storage Buffer

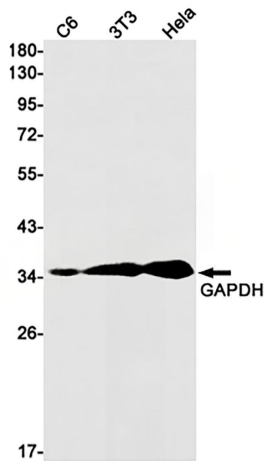
Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage Conditions

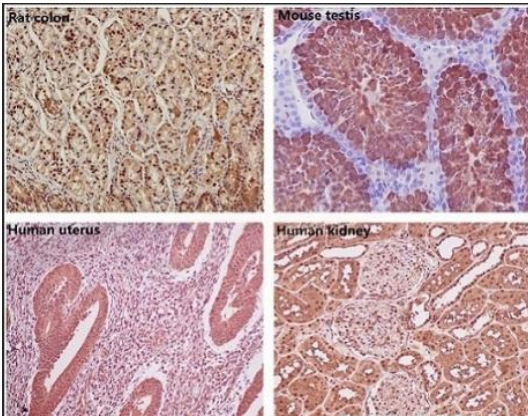
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Products Images

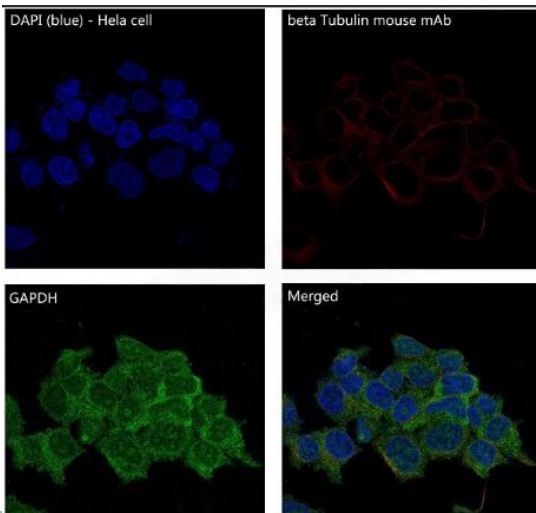
Western blot analysis of GAPDH in C6,3T3,Hela lysates using GAPDH antibody.



Immunohistochemical analysis of paraffin-embedded (1) Rat colon; (2) Mouse testis; (3) Human uterus; (4) Human kidney, using GAPDH Antibody .



Immunofluorescent analysis of Hela cells, using GAPDH Antibody .



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