

M20024

GAPDH (3B3) Antibody (HRP Conjugated)



1000µl;200µl;100µl;50µl

Order	021-34695924 orders@ab-mart.com
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Background:

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. Though differentially expressed from tissue to tissue, GAPDH is thought to be a constitutively expressed housekeeping protein. For this reason, GAPDH mRNA and protein levels are often measured as controls in experiments quantifying specific changes in expression of other targets. Recent work has elucidated roles for GAPDH in apoptosis, gene expression and nuclear transport. GAPDH may also play a role in neurodegenerative pathologies such as Huntington and Alzheimer's diseases.

References:

1. Barber, R.D. et al. 2005. GAPDH as a housekeeping gene: analysis of GAPDH mRNA expression in a panel of 72 human tissues. *Physiol. Genomics* 21, 389-95.2.
2. Hara, M.R. and Snyder, S.H. 2006. Nitric oxide-GAPDH-Siah: a novel cell death cascade. *Cell Mol. Neurobiol.* 26,527-38.
3. Zheng, L. et al. 2003. S phase activation of the histone H2B promoter by OCA-S, a coactivator complex that contains GAPDH as a key component. *Cell* 114, 255-66.
4. Bae, B.I. et al. 2006. Mutant huntingtin: nuclear translocation and cytotoxicity mediated by GAPDH. *Proc. Natl. Acad. Sci. USA* 103f 3405-9.
5. Wang, Q. et al. 2005. Proteomic analysis of neurofibrillary tangles in Alzheimer disease identifies GAPDH as a detergent-insoluble paired helical filament tau binding protein. *FASEB J.* 19,869-71.

Source:

This Abmart monoclonal antibody is produced by immunizing animals with a synthetic peptide (KLH-co \square led) corresponding to the carboxy terminus of human GAPDH.

Storage:

Store at -20°C. Stable for one year from the date of shipment.

Application:

WB



Reactivity : All

Isotype : Mouse IgG1

Recommended Dilutions:

Western blotting???????? ? 1:5000

Immunofluorescence 1:1000

Immunoprecipitation 1:100

ELISA 1:2000

Companion products:

#M20021 Anti-Ha-Tag Antibody (HRP Conjugated)

#M20022 Anti-GFP-Tag Antibody(HRP Conjugated)

#M20023 β -Tubulin Antibody(HRP Conjugated)

#M20024 GAPDH (3B3)Antibody(HRP Conjugated)

#M20025 Anti-GST-Tag Antibody(HRPConjugated)

#M20026 Anti-DYKDDDDK-Tag Antibody(HRPConjugated)