#5174 Store at -20C

GAPDH (D16H11) XP® Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, W-S, IHC-P, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 37	Source/Isotype: Rabbit IgG	UniProt ID: #P04406	Entrez-Gene Id: 2597
Product Usage Information	A	Application			Dilution	
	V	Vestern Blotting			1:100	00
	S	Simple Western™			1:10	- 1:50
	Ir	mmunohistochemistry	(Paraffin)		1:400) - 1:1600
	Ir	Immunofluorescence (Immunocytochemistry)			1:100 - 1:400	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
	Fo	For a carrier free (BSA and azide free) version of this product see product #92310.				
Specificity / Sensi	itivity G	GAPDH (D16H11) XP [®] Rabbit mAb detects endogenous levels of total GAPDH protein.				
Species predicted react based on 10 sequence homolo	0%	g				
Source / Purificati		Monoclonal antibody is produced by immunzing animals with a synthetic peptide corresponding to residues surrounding Lys260 of human GAPDH protein.				
Background	ph be of Re (4	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. Though differentially expressed from tissue to tissue (1), 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 (2), gene expression (3), and nuclear transport (4). GAPDH may also play a role in neurodegenerative pathologies such as Huntington and Alzheimer's diseases (4,5).				
Background Refe	2. 3. 4. 5.	 Barber, R.D. et al. (2005) Physiol. Genomics 21, 389-95. Hara, M.R. and Snyder, S.H. (2006) Cell Mol. Neurobiol. 26, 527-38. Zheng, L. et al. (2003) Cell 114, 255-66. Bae, B.I. et al. (2006) Proc. Natl. Acad. Sci. USA 103, 3405-9. Wang, Q. et al. (2005) FASEB J. 19, 869-71. Kozako, T. et al. (2015) Sci Rep 5, 11345. 				

Species Reactivity Species reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting W-S: Simple Western™ IHC-P: Immunohistochemistry (Paraffin)

IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Limited Uses

GAPDH (D16H11) XP® Rabbit mAb (#5174) Datasheet Without Images Cell Signaling Technology

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