

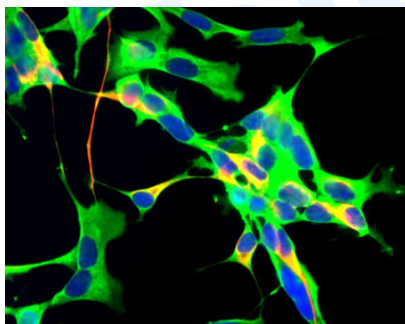
Mouse monoclonal antibody to Glyceraldehyde 3-Phosphate Dehydrogenase (GAPDH) [1D4]

Catalogue No.:	M-1376-250
Description:	Glyceraldehyde 3-Phosphate Dehydrogenase (GAPDH) is a metabolic enzyme responsible for catalyzing one step in the glycolytic pathway, the reversible oxidative phosphorylation of glyceraldehyde 3-phosphate. GAPDH may have other roles in the activation of transcription and in the regulation of apoptosis as well as Alzheimer's disease and Huntington's disease. The immunogen used to raise this particular antibody was extensively purified pig GAPDH. This antibody can be used as a loading control for western blotting experiments, allowing comparison between the level of this protein and others in a cell or tissue.
Batch No.:	See product label
Unit size:	250 uL
Antigen:	Purified pig GAPDH
Antibody Type:	Monoclonal
Isotype:	IgM
Clone:	1D4
Other Names:	Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; GAPD; G3PDH; GPDH;
Accession:	P04406 G3P_HUMAN; P00355 G3P_PIG;
Produced in:	Mouse
Applications:	Western Blotting (WB) and Immunocytochemistry (IC). A dilution of 1:1,000 is recommended for WB. Human GAPDH has a predicted length of 335 residues and a MW of 36 kDa. A dilution of 1:100 is recommended for IC. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB.
Antibody Against:	Glyceraldehyde 3-Phosphate Dehydrogenase
Cross-reactivity:	Human, Rat, Mouse, Bovine, Porcine, Chicken
Form:	Lyophilised with 5% trehalose
Appearance:	White powder
Reconstitution:	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution of lyophilised antibody, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
Specific References:	<ol style="list-style-type: none">1. Fortun J. et al (2003) Emerging role for autophagy in the removal of aggresomes in Schwann cells. <i>J Neurosci.</i> 2003 Nov 19;23(33):10672-80.2. Felitsyn N. et al (2008) The heme precursor delta-aminolevulinate blocks peripheral myelin formation. <i>J Neurochem.</i> 2008 Sep;106(5):2068-79.

FOR RESEARCH USE ONLY

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5. Madorsky I. et al (2009) Intermittent fasting alleviates the neuropathic phenotype in a mouse model of Charcot-Marie-Tooth disease. *Neurobiol Dis.* 2009 Apr;34(1):146-54.
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Human neuroblastoma SH-SY5Y cells stained with Mouse monoclonal antibody to Glyceraldehyde 3-Phosphate Dehydrogenase [1D4] M-1376-250 (green), chicken antibody to neurofilament H C-1386-50 (red) and DNA (blue). The antibody reveals strong cytoplasmic staining for GAPDH.

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