



Rabbit polyclonal antibody to human Glyceraldehyde-3-phosphate dehydrogenase (30-44): Affinity purified

Catalogue No.:	R-1469-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a metabolic enzyme responsible for catalyzing the first step of the glycolysis pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl 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.
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A synthetic peptide corresponding to a region (30-44 aa) from the N-terminus of human Glyceraldehyde-3-phosphate dehydrogenase (GAPDH).
Antigen Location:	30-44
Other Names:	Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; Peptidyl-cysteine S-nitrosylase GAPDH; GAPD;
Accession:	P04406 G3P_HUMAN;
Produced in:	Rabbit
Applications:	Western Blotting (WB) and Immunohistochemistry (IHC). A concentration of 1.0 µg/ml is recommended for WB. Human GAPDH (precursor) has a predicted length of 335 amino acids and MW of 36 kDa. A concentration of 1.0 µg/ml is recommended for IHC to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. A concentration of 1.0 µg/ml is also recommended for IHC in frozen tissue. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Antibody Against:	Glyceraldehyde-3-phosphate dehydrogenase
Cross-reactivity:	Human; rat; mouse;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Appearance:	White powder
Reconstitution:	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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