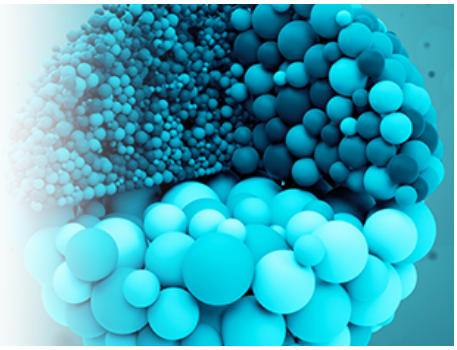

Mouse Anti-GAPDH Monoclonal Antibody (1D4)

Cat. No.: NGM-001

For research use only, not for drug, household, or any *in vivo* human use.

This product is an unconjugated anti-GAPDH Monoclonal antibody (1D4) generated from the Mouse. This antibody can be used for WB, ChIP, IF, IHC, IP.

SPECIFICATIONS

Antibody Isotype	IgM
Clone	1D4
Applications	WB; ChIP; IF; IHC; IP
Host	Mouse
Clonality	Monoclonal
Antibody Type	Primary antibody
Species Reactivity	Porcine, Human, Mouse, Rat, Avian, Bovine, Canine, Chicken
Immunogen	Purified porcine GAPDH
Conjugate	Unconjugated
Purification	Immunogen affinity purification
Format	Liquid
Specificity	This antibody reacts with Glyceraldehyde-3-Phosphate Dehydrogenase.
Application Notes	WB: 1:1000 ChIP: 1:10-1:500 IF: 1:100 IHC: 1:100 The optimal working dilutions should be determined by the end user.

TARGET INFORMATION

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-381-2994 Fax: 1-631-207-8356

Target Name	GAPDH
Alternative Names	Glyceraldehyde-3-Phosphate Dehydrogenase; Peptidyl-Cysteine S-Nitrosylase GAPDH; GAPD; Epididymis Secretory Sperm Binding Protein Li 162eP; Oct1 Coactivator In S Phase, 38 Kd Component; Aging-Associated Gene 9 Protein; OCAS, P38 Component; HEL-S-162eP; G3PD
Related Disease	Aging; Schistosomiasis
Gene ID	396823
UniProt ID	P00355
Target Overview	Glyceraldehyde-3-Phosphate Dehydrogenase 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 D-glyceraldehyde 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.

STORAGE & NOTE

Concentration	1.0 mg/mL
Buffer	50% PBS with 50% Glycerol
Preservative	5mM Sodium Azide
Storage	Store at 4° C for short term and at -20° C or lower for long term. Avoid freeze-thaw cycles.
Caution Note	This product contains contains poisonous Sodium Azide. Please avoid direct contact and be careful when operating.

KINDLY NOTE

!! For Research Use Only. Our products and services are NOT intended for diagnostic or therapeutic applications.

!! Custom antibodies beyond the list can be tailored flexibly. Please directly Email us your specific demands.

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