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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NOG1 GTPBP4 Antibody

Catalog Number: A10450-1

About GTPBP4

Releases the supercoiling and torsional tension of DNA introduced during the DNA replication and transcription by transiently cleaving and rejoining one strand of the DNA duplex. Introduces a single-strand break via transesterification at a target site in duplex DNA. The scissile phosphodiester is attacked by the catalytic tyrosine of the enzyme, resulting in the formation of a DNA-(5'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 3'-OH DNA strand. The free DNA strand than undergoes passage around the unbroken strand thus removing DNA supercoils. Finally, in the religation step, the DNA 3'-OH attacks the covalent intermediate to expel the active-site tyrosine and restore the DNA phosphodiester backbone By similarity. Possesses negatively supercoiled DNA relaxing activity.

Ng S.-W., Nucleic Acids Res. 27:993-1000(1999).
Kawasaki K., Genome Res. 7:250-261(1997).
Collins J.E., Genome Biol. 5:RESEARCH84.1-RESEARCH84.11(2004).

Overview

Product Name	Anti-NOG1 GTPBP4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NOG1 GTPBP4 Antibody catalog # A10450-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9BZE4

Technical Details

Immunogen	Synthesized peptide derived from human NOG1 protein.
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG
Form	Liquid

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Concentration	1 mg/ml
Purification	NOG1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-2000 ELISA 1:5000-20000

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