

Anti-GANP MCM3AP Antibody

Catalog Number: A05445

About MCM3AP

Isoform GANP: Essential for the generation of high-affinity B-cells against T-cell-dependent antigens by affecting somatic hypermutation at the IgV-regions. May have stimulation-dependent DNA primase activity that would generate extra RNA primers in very rapidly proliferating cells and would support clonal expansion of differentiating B-cells. By similarity. Involved in the nuclear export of poly(A)-containing mRNAs by acting as a scaffold for the TREX-2 complex. The TREX-2 complex functions in docking export-competent ribonucleoprotein particles (mRNPs) to the nuclear entrance of the nuclear pore complex (nuclear basket). TREX-2 participates in mRNA export and accurate chromatin positioning in the nucleus by tethering genes to the nuclear periphery. Isoform MCM3AP: Acetyltransferase targeting MCM3. Inhibits initiation of DNA replication, but not elongation.

Nobuo Sakaguchi, J. Immunol., Apr 2005; 174: 4485 - 4494.

Kazuhiko Kuwahara, Blood, Apr 2000; 95: 2321 - 2328.

Y Kono, K Maeda, Genes Cells, Aug 2002; 7: 821 - 834.

Kazuhiko Kuwahara, PNAS, Aug 2001; 98: 10279.

Overview

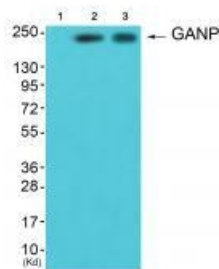
Product Name	Anti-GANP MCM3AP Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-GANP MCM3AP Antibody (Catalog # A05445). Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
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	O60318

Technical Details

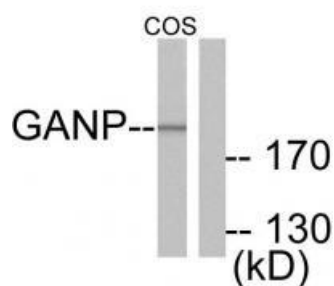
Immunogen	Synthesized peptide derived from human GANP.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p> <p>Immunohistochemistry: 1:50~1:100</p>

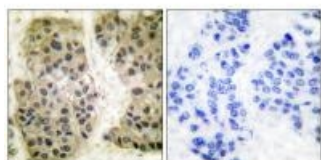
Anti-GANP MCM3AP Antibody (A05445) Images



Western blot analysis of extracts from HepG2 cells (Lane 2) and A549 cells (Lane 3), using GANP antibody A05445. The lane on the left is treated with synthesized peptide.



Western blot analysis of extracts from NIH/3T3 cells, using GANP antibody A05445.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GANP antibody A05445.

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