

Rabbit anti-Human, Mouse GANP Polyclonal Antibody | anti-GANP antibody

GANP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302040	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

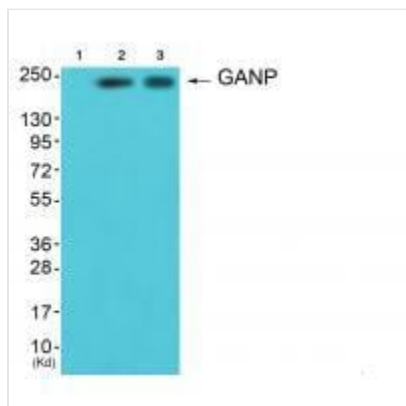
PRODUCT SYNONYMS

GANP; Polyclonal Antibody; GANP Antibody; 80 kda MCM3-associated protein; GANP protein; KIAA0572; MAP80; MCM3A; anti-GANP antibody

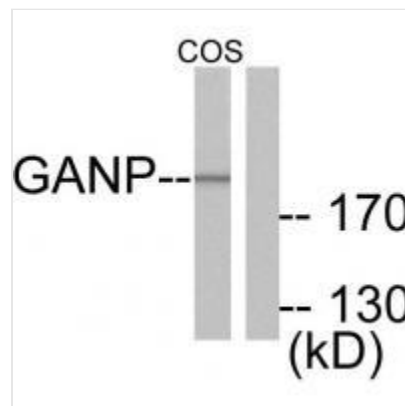
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total GANP protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1980
Applicable Applications for anti-GANP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GANP.
Target Name	GANP
Preparation and Storage	Store at -20 degree C

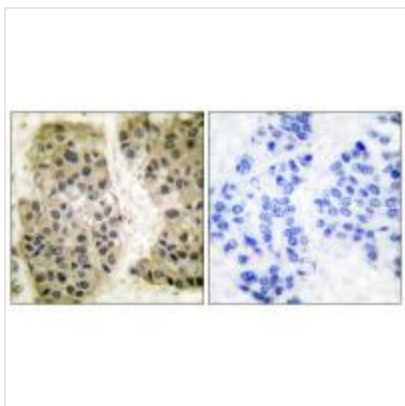
IMAGES


WB (Western Blot)

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


WB (Western Blot)

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



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GANP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GANP antibody	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.
Product Categories/Family for anti-GANP antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923191
NCBI GeneID	8888
NCBI Accession #	NP_003897.2
NCBI GenBank Nucleotide #	NM_003906.4
UniProt Accession #	O60318; Q2M3C1; Q6PJP6; Q9BSY5; Q9UMT4; C9JL56
Molecular Weight	80,292 Da
NCBI Official Full Name	germinal-center associated nuclear protein
NCBI Official Synonym Full Names	minichromosome maintenance complex component 3 associated protein
NCBI Official Symbol	MCM3AP
NCBI Official Synonym Symbols	GANP; SAC3; MAP80
NCBI Protein Information	germinal-center associated nuclear protein
UniProt Protein Name	Germinal-center associated nuclear protein
UniProt Gene Name	MCM3AP
UniProt Synonym Gene Names	GANP; KIAA0572; MAP80; GANP; MCM3AP
UniProt Entry Name	GANP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ganp-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/302040>