

GANP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58429**Specification**

GANP Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O60318
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	218405

GANP Polyclonal Antibody - Additional Information**Gene ID** 8888**Other Names**

Germinal-center associated nuclear protein, GANP, 2.3.1.48, 80 kDa MCM3-associated protein, MCM3 acetylating protein, MCM3AP, 2.3.1.-, MCM3 acetyltransferase, MCM3AP, GANP, KIAA0572, MAP80

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

GANP Polyclonal Antibody - Protein Information**Name** MCM3AP**Synonyms** GANP, KIAA0572, MAP80**Function**

[Isoform GANP]: As a component of the TREX-2 complex, involved in the export of mRNAs to the cytoplasm through the nuclear pores (PubMed:20005110, PubMed:20384790, PubMed:23591820, PubMed:22307388). Through the acetylation of histones, affects the assembly of nucleosomes at immunoglobulin variable region genes and promotes the recruitment and positioning of transcription complex to favor DNA cytosine deaminase AICDA/AID targeting, hence promoting somatic hypermutations (PubMed:23652018).

Cellular Location

[Isoform GANP]: Nucleus envelope. Nucleus, nuclear pore complex. Nucleus, nucleoplasm. Chromosome. Note=Predominantly located at the nuclear envelope, facing the nucleus interior (PubMed:20005110, PubMed:21195085, PubMed:23591820). Localization at the nuclear pore complex requires NUP153, TPR and ALYREF/ALY (PubMed:23591820, PubMed:22307388). Also found associated with chromatin (PubMed:23652018). In B-cells, targeted to the immunoglobulin variable region genes (PubMed:23652018).

Tissue Location

Widely expressed (PubMed:11024281). Up-regulated in germinal center B-cells in tonsils (at protein level) (PubMed:11024281).

GANP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GANP Polyclonal Antibody - Images