10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GANP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58429

Product Information

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

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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:22307388, PubMed:23591820). 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:22307388, PubMed:23591820). 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.