NAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAP1, Polyclonal Antibody
Full Product Name	NAP1 (5-azacytidine-Induced Protein 2, NF-kappa-B-activating Kinase-Associated Protein 1, Nak-Associated Protein 1, TILP, AZI2, NAP1, TBKBP2) (MaxLight 550)
Product Gene Name	anti-NAP1 antibody
Product Synonym Gene Name	AZI2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes human NAP1. Species Crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,935 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (28363845..28390618, complement). Location: 3p24.1
OMIM	609916
3D Structure	ModBase 3D Structure for Q9H6S1
Immunogen	KLH conjugated synthetic peptide corresponding to human NAP1.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-NAP1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-NAP1 antibody	Western Blot (WB)
Application Notes for anti-NAP1 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-NAP1 antibody	MBS6457500 is an antibody targeting NAP1. Also known as NAP1 (5-azacytidine-Induced Protein 2, NF-kappa-B-activating Kinase-Associated Protein 1, Nak-Associated Protein 1, TILP, AZI2, NAP1, TBKBP2) (MaxLight 550). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-NAP1 antibody	Fujita F., et al. Mol. Cell. Biol. 23:7780-7793(2003). Inohara N., et al. Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004). Muzny D.M., et al. Nature 440:1194-1198(2006). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Other Notes	Small volumes of anti-NAP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAP1. It may not necessarily be applicable to this product.

NCBI GI #	11968003
NCBI GeneID	64343
NCBI Accession #	NP_071906.1
UniProt Primary Accession #	Q9H6S1
UniProt Secondary Accession #	Q86W99; Q9BQF1; A8K3M2
UniProt Related Accession #	Q9H6S1
GenBank Nucleotide #	NM_022461.4
NCBI Official Full Name	5-azacytidine-induced protein 2 isoform a
NCBI Official Synonym Full Names	5-azacytidine induced 2
NCBI Official Symbol	AZI2
NCBI Official Synonym Symbols	AZ2; NAP1; TILP
UniProt Protein Name	5-azacytidine-induced protein 2
UniProt Synonym Protein Names	NF-kappa-B-activating kinase-associated protein 1; Nak-associated protein 1; TILP
Protein Family	Napin
UniProt Gene Name	AZI2
UniProt Synonym Gene Names	NAP1; Nak-associated protein 1
UniProt Entry Name	AZI2_HUMAN
NCBI Protein Information	5-azacytidine-induced protein 2; NAK-associated protein 1; 5-azacytidine induced gene 2; NF-kappa-B-activating kinase-associated protein 1
NCBI Summary for NAP1	AZI2, or NAP1, contributes to the activation of NFKB (see MIM 164011)-dependent gene expression by activating IKK-related kinases, such as NAK (TBK1; MIM 604834) (Fujita et al., 2003 [PubMed 14560022]).[supplied by OMIM, Mar 2008]
UniProt Comments for NAP1	AZI2: Activates serine/threonine-protein kinase TBK1 and facilitates its oligomerization. Enhances the phosphorylation of NF-kappa-B p65 subunit RELA by TBK1. Promotes TBK1-induced as well as TNF-alpha or PMA-induced activation of NF-kappa-B. Participates in IFN-beta promoter activation via TICAM1. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 3p24.1 Cellular Component: cytoplasm Molecular Function: protein binding Biological Process: tumor necrosis factor production; I-kappaB kinase/NF-kappaB cascade; T cell activation; interleukin-6 production; interferon-gamma production; mitotic cell cycle; interferon-alpha production
Research Articles on NAP1	**1.** the spatiotemporal mobilization of TICAM-1 in response to dsRNA and the formation of the TICAM-1 speckles containing RIP1 and NAP1 are important for the activation of the TLR3-TICAM-1 pathway.

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