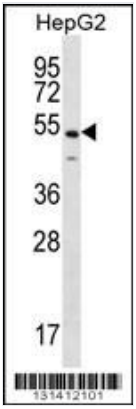
NKAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NKAP, Polyclonal Antibody
Full Product Name	NKAP, CT (NKAP, NF-kappa-B-activating protein) (Biotin)
Product Gene Name	anti-NKAP antibody
Product Synonym Names	NKAP; NF-kappa-B-activating protein
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	47,138 Da
OMIM	300766
3D Structure	ModBase 3D Structure for Q8N5F7
Immunogen	NKAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 394-415 amino acids from the C-terminal region of human NKAP.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-NKAP antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-NKAP antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NKAP antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NKAP antibody	This gene encodes a protein that is involved in the activation of the ubiquitous transcription factor NF-kappaB. This protein is associated with the the histone deacetylase HDAC3 and with the Notch corepressor complex, and it thereby acts as a transcriptional repressor of Notch target genes. It is also required for alphabeta T cell development. A related pseudogene has been identified on chromosome X, while a related and intronless retrocopy, which has an intact CDS and may be functional, is located on chromosome 6.
Product References and Citations for anti-NKAP antibody	D'Addabbo, A., et al. Artif Intell Med 46(2):131-138(2009). Pajerowski, A.G., et al. Immunity 30(5):696-707(2009). Lamesch, P., et al. Genomics 89(3):307-315(2007). Chen, D., et al. Biochem. Biophys. Res. Commun. 310(3):720-724(2003).
Other Notes	Small volumes of anti-NKAP 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.

Searchable Terms for NKAP purchase	MBS6325435 is an antibody targeting NKAP. Also known as NKAP, CT (NKAP, NF-kappa-B-activating protein) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NKAP antibody
NKAP Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the NKAP antibody detected the NKAP protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	168229156
NCBI GeneID	79576
NCBI Accession #	NP_078804.2
UniProt Primary Accession #	Q8N5F7
UniProt Secondary Accession #	Q6IPW6; Q96BQ2; Q9H638
UniProt Related Accession #	Q8N5F7
GenBank Nucleotide #	NM_024528.3
NCBI Official Full Name	NF-kappa-B-activating protein
NCBI Official Synonym Full Names	NFKB activating protein
NCBI Official Symbol	NKAP
UniProt Protein Name	NF-kappa-B-activating protein
Protein Family	NF-kappa-B-activating protein
UniProt Gene Name	NKAP
UniProt Entry Name	NKAP_HUMAN
NCBI Protein Information	NF-kappa-B-activating protein

UniProt Comments for NKAP	NKAP: Acts as a transcriptional repressor. Plays a role as a transcriptional corepressor of the Notch-mediated signaling required for T-cell development. Also involved in the TNF and IL-1 induced NF-kappa-B activation. Associates with chromatin at the Notch-regulated SKP2 promoter. Belongs to the UPF0396 family. Protein type: Unknown function Chromosomal Location of Human Ortholog: Xq24 Cellular Component: cytoplasm; nucleoplasm Molecular Function: chromatin binding; chromatin DNA binding; protein binding Biological Process: granulocyte differentiation; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; Notch signaling pathway; positive regulation of alpha-beta T cell differentiation; stem cell maintenance; T cell differentiation in the thymus; transcription, DNA-dependent
Research Articles on NKAP	**1.** NKAP is required for T cell maturation and the acquisition of functional competency
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