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

NKAP Rabbit pAb

Catalog # AP97612

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N5F7
Other Accession	Q8N5F7
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47138
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NKAP
Epitope Specificity	321-415/415
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the UPF0396 family.
SUBUNIT	Component of the Notch corepressor complex. Interacts with CIR1 and HDAC3.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	NFκB, a pleiotropic transcription factor, is present in almost all cell types and is involved in many biological processes including inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFκB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFκB1/p105, NFκB1/p50, REL and NFκB2/p52. This complex is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NKAP (NF-κ-B-activating protein) is a 415 amino acid nuclear protein that regulates TNF and IL1-induced NFκB activation. As component of a DNA-binding complex, NKAP also functions as a transcriptional repressor that acts on NOTCH target genes. Loss of NKAP blocks the development of αβT- cells, suggesting that it is required for their maturation through repression of NOTCH genes.

Additional Information

Gene ID	79576
Other Names	MRXSHD; NKAP_HUMAN; NKAP; NFKB activating protein; NF kappaB activating protein

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	NKAP
Function	Acts as a transcriptional repressor (PubMed: 14550261, PubMed:19409814, PubMed:31587868). Plays a role as a transcriptional corepressor of the Notch-mediated signaling required for T-cell development (PubMed:19409814). Also involved in the TNF and IL-1 induced NF-kappa-B activation. Associates with chromatin at the Notch- regulated SKP2 promoter.
Cellular Location	Nucleus.

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