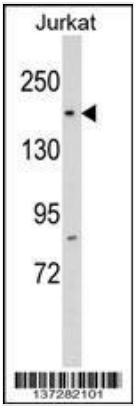
RPAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RPAP1, Polyclonal Antibody
Full Product Name	RPAP1, NT (RPAP1, KIAA1403, RNA polymerase II-associated protein 1) (AP)
Product Gene Name	anti-RPAP1 antibody
Product Synonym Names	RPAP1; KIAA1403; RNA polymerase II-associated protein 1
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	84,735 Da
OMIM	611475
3D Structure	ModBase 3D Structure for Q9BWH6
Immunogen	RPAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-310 amino acids from the N-terminal region of human RPAP1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-RPAP1 antibody	Antibodies; DNA Replication; Repair
Applications Tested/Suitable for anti-RPAP1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RPAP1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RPAP1 antibody	MBS6343215 is an antibody targeting RPAP1. Also known as RPAP1, NT (RPAP1, KIAA1403, RNA polymerase II-associated protein 1) (AP). Reactive in Human. Host: Rabbit. The function of this gene is unknown. [provided by RefSeq].
Product References and Citations for anti-RPAP1 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Kuraoka, I., et al. DNA Repair (Amst.) 6(6):841-851(2007). Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004). Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004). Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004).
Other Notes	Small volumes of anti-RPAP1 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.



Western Blot (WB) of anti-RPAP1 antibody
RPAP1 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the RPAP1 antibody detected the RPAP1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPAP1. It may not necessarily be applicable to this product.

NCBI GI #	24430139
NCBI GeneID	26015
NCBI Accession #	NP_056355.2
UniProt Primary Accession #	Q9BWH6
UniProt Secondary Accession #	Q9H9I2; Q9NSQ5; Q9P2E4; Q9UFS7
UniProt Related Accession #	Q9BWH6
GenBank Nucleotide #	NM_015540.3
NCBI Official Full Name	RNA polymerase II-associated protein 1
NCBI Official Synonym Full Names	RNA polymerase II associated protein 1
NCBI Official Symbol	RPAP1
UniProt Protein Name	RNA polymerase II-associated protein 1
Protein Family	RNA polymerase II-associated protein
UniProt Gene Name	RPAP1
UniProt Synonym Gene Names	KIAA1403
UniProt Entry Name	RPAP1_HUMAN
NCBI Protein Information	RNA polymerase II-associated protein 1
NCBI Summary for RPAP1	This protein forms part of the RNA polymerase II (RNAPII) enzyme complex and may recruit RNAPII to chromatin through its interaction with acetylated histones. [provided by RefSeq, Jul 2012]

UniProt Comments for RPAP1	RPAP1: Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation. Required for interaction of the RNA polymerase II complex with acetylated histone H3. Belongs to the RPAP1 family. 3 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 15q15.1 Cellular Component: nucleus Molecular Function: DNA binding; DNA-directed RNA polymerase activity Biological Process: transcription from RNA polymerase II promoter
Research Articles on RPAP1	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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