

Rabbit anti-Human RTF1 Polyclonal Antibody | anti-RTF1 antibody

RTF1 Antibody

CATALOG # AAA232316	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

RTF1; Polyclonal Antibody; RTF1 Antibody; RNA polymerase-associated protein RTF1 homolog; KIAA0252; anti-RTF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	710
Applicable Applications for anti-RTF1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human RNA polymerase-associated protein RTF1 homolog protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

Western BlotPositive WB detected in:Hela whole cell lysate,HEK293 whole cell lysate,MCF-7 whole cell lysate,HepG2 whole cell lysateAll lanes: RTF1 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 81 kDaObserved band size: 81 kDa



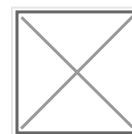
IHC (Immunohistochemistry)

Immunofluorescent analysis of Hela cells using AAA232316 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human cervical cancer using AAA232316 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using AAA232316 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-RTF1 antibody	Component of the PAF1 complex (PAF1C) which has multiple functions during transcription by RNA polymerase II and is implicated in regulation of development and maintenance of embryonic stem cell pluripotency. PAF1C associates with RNA polymerase II through interaction with POLR2A CTD non-phosphorylated and 'Ser-2'- and 'Ser-5'-phosphorylated forms and is involved in transcriptional elongation, acting both indepentently and synergistically with TCEA1 and in cooperation with the DSIF complex and HTATSF1. PAF1C is required for transcription of Hox and Wnt target genes. PAF1C is involved in hematopoiesis and stimulates transcriptional activity of KMT2A/MLL1; it promotes leukemogenesis through association with KMT2A/MLL1-rearranged oncoproteins, such as KMT2A/MLL1-MLLT3/AF9 and KMT2A/MLL1-MLLT1/ENL. PAF1C is involved in histone modifications such as ubiquitination of histone H2B and methylation on histone H3 'Lys-4' (H3K4me3). PAF1C recruits the RNF20/40 E3 ubiquitin-protein ligase complex and the E2 enzyme UBE2A or UBE2B to chromatin which mediate monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1); UB2A/B-mediated H2B ubiquitination is proposed to be coupled to transcription. PAF1C is involved in mRNA 3' end formation probably through association with cleavage and poly(A) factors. In case of infection by influenza A strain H3N2, PAF1C associates with viral NS1 protein, thereby regulating gene transcription. Binds single-stranded DNA. Required for maximal induction of heat-shock genes. Required for the trimethylation of histone H3 'Lys-4' (H3K4me3) on genes involved in stem cell pluripotency; this function is synergistic with CXXC1 indicative for an involvement of a SET1 complex (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195976782
NCBI GeneID	23168
NCBI Accession #	NP_055953.3
NCBI GenBank Nucleotide #	NM_015138.4
UniProt Accession #	Q92541; Q96BX6
Molecular Weight	80,313 Da
NCBI Official Full Name	RNA polymerase-associated protein RTF1 homolog
NCBI Official Synonym Full Names	RTF1 homolog, Paf1/RNA polymerase II complex component
NCBI Official Symbol	RTF1
NCBI Official Synonym Symbols	GTL7; KIAA0252
NCBI Protein Information	RNA polymerase-associated protein RTF1 homolog
UniProt Protein Name	RNA polymerase-associated protein RTF1 homolog
UniProt Gene Name	RTF1
UniProt Synonym Gene Names	KIAA0252
UniProt Entry Name	RTF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.