PHF5A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PHF5A, Polyclonal Antibody
Full Product Name	PHF5A, CT (PHF5A, PHD finger-like domain-containing protein 5A, Splicing factor 3B-associated 14kD protein) (MaxLight 750)
Product Gene Name	anti-PHF5A antibody
Product Synonym Names	PHF5A; PHD finger-like domain-containing protein 5A; Splicing factor 3B-associated 14kD 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 MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	12,405 Da
3D Structure	ModBase 3D Structure for Q7RTV0
Immunogen	PHF5A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-110 amino acids from the C-terminal region of human PHF5A.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-PHF5A antibody	Antibodies; Splicing Factors
Applications Tested/Suitable for anti-PHF5A antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-PHF5A antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PHF5A antibody	This gene encodes a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. The protein encoded by this gene contains a PHD-finger-like domain that is flanked by highly basic N-and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on different chromosomes.
Product References and Citations for anti-PHF5A antibody	Kuwasako, K., et al. Proteins 71(4):1617-1636(2008). Will, C.L., et al. RNA 10(6):929-941(2004). Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004): Will, C.L., et al. EMBO J. 21(18):4978-4988(2002). Zhou, Z., et al. Nature 419(6903):182-185(2002).

Other Notes	Small volumes of anti-PHF5A 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 PHF5A purchase	MBS6333374 is an antibody targeting PHF5A. Also known as PHF5A, CT (PHF5A, PHD finger-like domain-containing protein 5A, Splicing factor 3B-associated 14kD protein) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PHF5A. It may not necessarily be applicable to this product.

NCBI GI #	14249398
NCBI GeneID	84844
NCBI Accession #	NP_116147.1
UniProt Primary Accession #	Q7RTV0
UniProt Secondary Accession #	Q9UH06
UniProt Related Accession #	Q7RTV0
GenBank Nucleotide #	NM_032758.3
NCBI Official Full Name	PHD finger-like domain-containing protein 5A
NCBI Official Synonym Full Names	PHD finger protein 5A
NCBI Official Symbol	PHF5A
NCBI Official Synonym Symbols	INI; Rds3; SF3B7; SAP14b; SF3b14b; bK223H9.2
UniProt Protein Name	PHD finger-like domain-containing protein 5A
UniProt Synonym Protein Names	Splicing factor 3B-associated 14 kDa protein; SF3b14b
UniProt Gene Name	PHF5A
UniProt Synonym Gene Names	PHD finger-like domain protein 5A; SF3b14b
UniProt Entry Name	PHF5A_HUMAN
NCBI Protein Information	PHD finger-like domain-containing protein 5A; PHD finger-like domain protein 5A; PHD-finger 5a; splicing factor 3B associated 14 kDa protein; splicing factor 3B-associated 14 kDa protein; splicing factor 3b, subunit 7
NCBI Summary for PHF5A	This gene encodes a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. The protein encoded by this gene contains a PHD-finger-like domain that is flanked by highly basic N- and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on different chromosomes. [provided by RefSeq, Jul 2008]
UniProt Comments for PHF5A	PHF5A: Acts as a transcriptional regulator by binding to the GJA1/Cx43 promoter and enhancing its up-regulation by ESR1/ER- alpha. Also involved in pre-mRNA splicing. Belongs to the PHF5 family. Protein type: RNA-binding; RNA splicing Chromosomal Location of Human Ortholog: 22q13.2 Cellular Component: nucleoplasm; nuclear matrix; nuclear speck; snRNP U2; U12-dependent spliceosome Molecular Function: DNA binding; transcription factor activity Biological Process: nuclear mRNA splicing, via spliceosome; transcription, DNA-dependent; RNA splicing; positive regulation of transcription, DNA-dependent; gene expression

Research Articles on PHF5A	**1.** PHF5A facilitates recognition of exons with unusual C-rich 3' splice sites in thousands of essential genes
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