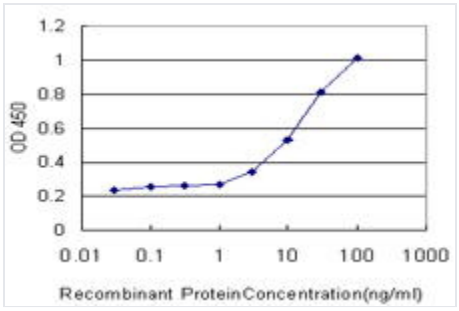
PHF5A Antibody – Mouse Monoclonal

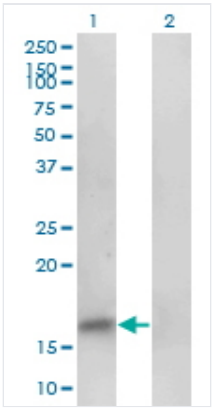
PRODUCT OVERVIEW

Product Name	PHF5A, Monoclonal Antibody
Full Product Name	PHF5A (PHD Finger Protein 5A, INI, MGC1346, SF3b14b, bK223H9.2) (APC)
Product Gene Name	anti-PHF5A antibody
Product Synonym Names	PHD Finger Protein 5A; INI; MGC1346; SF3b14b; bK223H9.2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2H7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes PHF5A.
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 amo to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, cen original vial prior to removing the cap.
Molecular Weight	14.8kDa (133aa), confirmed by MALDI-TOF
3D Structure	ModBase 3D Structure for Q7RTV0
Immunogen	PHF5A (NP_116147, 1aa-110aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAKHHPDLIFCRKQAGVAIGRLCEKCDGKCVICDSYVRPCTLVRICDECNYGSYQGRCVICGGPGVSDAYYCKECTIQEKDRDGCPKIVNLGSSKTDLFY
Conjugate	APC
Product Categories/Family for anti-PHF5A antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-PHF5A antibody	Western Blot (WB)
Application Notes for anti-PHF5A antibody	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 nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence 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 C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on c chromosomes. [provided by RefSeq]

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 neces 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 may apply.
Searchable Terms for PHF5A purchase	MBS6170263 is an antibody targeting PHF5A. Also known as PHF5A (PHD Finger Protein 5A, INI, MGC1346, SF3b14b, bK223H9.2) (APC). Host: Mo



Testing Data of anti-PHF5A antibody
Detection limit for recombinant GST tagged PHF5A is approximately 1ng/ml as a capture antibody.



Western Blot (WB) of anti-PHF5A antibody
Western Blot analysis of PHF5A expression in transfected 293T cell line by PHF5A monoclonal antibody (M01), clone 2H7.Lane 1: PHF5A transfected lysate(12.4 KDa).Lane 2: Non-transfected lysate.

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
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

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.** We found PHF5A, a component of the U2 snRNP mRNA splicing factor, blocks expression from recombinant Adeno-associated virus vectors
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