WHSC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WHSC2, Polyclonal Antibody
Full Product Name	WHSC2 (Center) Rabbit pAb
Product Gene Name	anti-WHSC2 antibody
Product Synonym Names	Negative elongation factor A; NELF-A; Wolf-Hirschhorn syndrome candidate 2 protein; NELFA; WHSC2
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB34103
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	606026
3D Structure	ModBase 3D Structure for Q9H3P2
Immunogen	This WHSC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 251-279 amino acids from the central region of human WHSC2.
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-WHSC2 antibody	Western Blot (WB)
Application Notes for anti-WHSC2 antibody	WB: 1:1000
Related Product Information for anti-WHSC2 antibody	MBS8552444 is an antibody targeting WHSC2. Also known as WHSC2 (Center) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-WHSC2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WHSC2. It may not necessarily be applicable to this product.

NCBI GI #	212276499
NCBI GeneID	7469
NCBI Accession #	Q9H3P2.3
UniProt Primary Accession #	Q9H3P2
UniProt Related Accession #	Q9H3P2

NCBI Official Full Name	Negative elongation factor A
NCBI Official Synonym Full Names	negative elongation factor complex member A
NCBI Official Symbol	NELFA
NCBI Official Synonym Symbols	WHSC2; NELF-A; P/OKcl.15
UniProt Protein Name	Negative elongation factor A
UniProt Synonym Protein Names	Wolf-Hirschhorn syndrome candidate 2 protein
UniProt Gene Name	NELFA
UniProt Synonym Gene Names	WHSC2; NELF-A
UniProt Entry Name	NELFA_HUMAN
NCBI Protein Information	negative elongation factor A
NCBI Summary for WHSC2	This gene is expressed ubiquitously with higher levels in fetal than in adult tissues. It encodes a protein sharing 93% sequence identity with the mouse protein. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene is mapped to the 165 kb WHS critical region, and may play a role in the phenotype of the WHS or Pitt-Rogers-Danks syndrome. The encoded protein is found to be capable of reacting with HLA-A2-restricted and tumor-specific cytotoxic T lymphocytes, suggesting a target for use in specific immunotherapy for a large number of cancer patients. This protein has also been shown to be a member of the NELF (negative elongation factor) protein complex that participates in the regulation of RNA polymerase II transcription elongation. [provided by RefSeq, Jul 2008]
UniProt Comments for WHSC2	WHSC2: Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II. The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex. Probably required to interact with the RNA polymerase II complex. Belongs to the NELF-A family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 4p16.3 Cellular Component: nucleoplasm; cytoplasm Molecular Function: protein binding; chromatin binding Biological Process: transcription from RNA polymerase II promoter; viral reproduction; positive regulation of viral transcription; multicellular organismal development; RNA elongation from RNA polymerase II promoter; gene expression
Research Articles on WHSC2	**1.** A positively charged face of NELF-AC is involved in RNA binding, whereas the opposite face of the NELF-AC subcomplex binds NELF-B. NELF-B is predicted to form a HEAT repeat fold, also binds RNA in vivo, and anchors the subunit NELF-E, which is confirmed to bind RNA in vivo.
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