10320 Camino Santa Fe, Suite G
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WHSC2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14802c

Specification

WHSC2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9H3P2

WHSC2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 7469

Other Names
Negative elongation factor A, NELF-A, Wolf-Hirschhorn syndrome candidate 2 protein, NELFA, WHSC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WHSC2 Antibody (Center) Blocking Peptide - Protein Information

Name NELFA

Synonyms WHSC2

Function
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.

Cellular Location
Nucleus.

Tissue Location
Ubiquitous. Expressed in heart, brain, placenta, liver, skeletal muscle, kidney and pancreas. Expressed at lower level in adult lung. Expressed in fetal brain, lung, liver and kidney

WHSC2 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

WHSC2 Antibody (Center) Blocking Peptide - Images

WHSC2 Antibody (Center) Blocking Peptide - Background

This gene is expressed ubiquitously with higher levels infetal 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 hemizygousdeletion of the distal short arm of chromosome 4. This gene ismapped to the 165 kb WHS critical region, and may play a role inthe phenotype of the WHS or Pitt-Rogers-Danks syndrome. The encodedprotein is found to be capable of reacting with HLA-A2-restrictedand tumor-specific cytotoxic T lymphocytes, suggesting a target foruse in specific immunotherapy for a large number of cancerpatients. This protein has also been shown to be a member of theNELF (negative elongation factor) protein complex that participatesin the regulation of RNA polymerase II transcription elongation.

WHSC2 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Narita, T., et al. Mol. Cell 26(3):349-365(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)Ping, Y.H., et al. J. Biol. Chem. 276(16):12951-12958(2001)