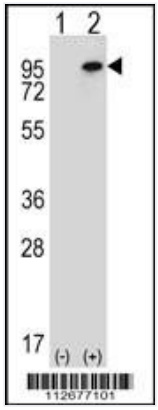
WHSC1L1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WHSC1L1, Polyclonal Antibody
Full Product Name	WHSC1L1, NT (WHSC1L1, NSD3, Histone-lysine N-methyltransferase NSD3, Nuclear SET domain-containing protein 3, Protein whistle, WHSC1-like 1 isoform 9 with methyltransferase activity to lysine, Wolf-Hirschhorn syndrome candidate 1-like protein 1) (MaxLight
Product Gene Name	anti-WHSC1L1 antibody
Product Synonym Names	WHSC1L1; NSD3; Histone-lysine N-methyltransferase NSD3; Nuclear SET domain-containing protein 3; Protein whistle; WHSC1-like 1 isoform 9 with methyltransferase activity to lysine; Wolf-Hirschhorn syndrome candidate 1-like protein 1
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 MaxLight405.
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	160,314 Da
OMIM	607083
3D Structure	ModBase 3D Structure for Q9BZ95
Immunogen	WHSC1L1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-225 amino acids from the N-terminal region of human WHSC1L1.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-WHSC1L1 antibody	Antibodies; Enzymes; Methyltransferase
Applications Tested/Suitable for anti-WHSC1L1 antibody	Western Blot (WB), FLISA
Application Notes for anti-WHSC1L1 antibody	WB: 1:50-100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-WHSC1L1 antibody	This gene is related to the Wolf-Hirschhorn syndrome candidate-1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. The function of the protein has not been determined. Two alternatively spliced variants have been described.
Product References and Citations for anti-WHSC1L1 antibody	Zhou, Z., et al. Biochem. Biophys. Res. Commun. 398(3):565-570(2010). Kim, S.M., et al. Biochem. Biophys. Res. Commun. 345(1):318-323(2006). Tonon, G., et al. Proc. Natl. Acad. Sci. U.S.A. 102(27):9625-9630(2005). Rosati, R., et al. Blood 99(10):3857-3860(2002). Stec, I., et al. Genomics 76 (1-3), 5-8 (2001).

Other Notes	Small volumes of anti-WHSC1L1 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 WHSC1L1 purchase	MBS6363582 is an antibody targeting WHSC1L1. Also known as WHSC1L1, NT (WHSC1L1, NSD3, Histone-lysine N-methyltransferase NSD3, Nuclear SET domain-containing protein 3, Protein whistle, WHSC1-like 1 isoform 9 with methyltransferase activity to lysine, Wolf-Hirschhorn syndrome candidate 1-like protein 1) (MaxLight. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-WHSC1L1 antibody
Western blot analysis of WHSC1L1 (arrow) using rabbit polyclonal WHSC1L1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the WHSC1L1 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WHSC1L1. It may not necessarily be applicable to this product.

NCBI GI #	13699813
NCBI GeneID	54904
NCBI Accession #	NP_060248.2
NCBI Related Accession #	NP_075447.1
UniProt Primary Accession #	Q9BZ95
UniProt Secondary Accession #	Q1RMD3; Q3B796; Q6ZSA5; Q9BYU8; Q9BYU9; Q9H2M8; Q9H9W9; Q9NXA6; B7ZL11; D3DSX1
UniProt Related Accession #	Q9BZ95
GenBank Nucleotide #	NM_017778.2
NCBI Official Full Name	histone-lysine N-methyltransferase NSD3 isoform short
NCBI Official Synonym Full Names	Wolf-Hirschhorn syndrome candidate 1-like 1
NCBI Official Symbol	WHSC1L1
NCBI Official Synonym Symbols	NSD3; pp14328
UniProt Protein Name	Histone-lysine N-methyltransferase NSD3
UniProt Synonym Protein Names	Nuclear SET domain-containing protein 3; Protein whistle; WHSC1-like 1 isoform 9 with methyltransferase activity to lysine; Wolf-Hirschhorn syndrome candidate 1-like protein 1; WHSC1-like protein 1
Protein Family	Histone-lysine N-methyltransferase
UniProt Gene Name	WHSC1L1
UniProt Synonym Gene Names	NSD3; WHSC1-like protein 1
UniProt Entry Name	NSD3_HUMAN

NCBI Protein Information	histone-lysine N-methyltransferase NSD3; WHSC1-like 1 isoform 9 with methyltransferase activity to lysine; WHSC1-like protein 1; nuclear SET domain-containing protein 3; protein whistle
UniProt Comments for WHSC1L1	WHSC1L1: is related to the Wolf-Hirschhorn syndrome candidate-1 protein containing PWWP (proline-tryptophan-tryptophan-proline) domains. The function of the protein has not been determined. Two alternatively spliced isoforms have been described. Protein type: Amino Acid Metabolism - lysine degradation; Methyltransferase, protein lysine; Oncoprotein; Histone-binding; EC 2.1.1.43; Methyltransferase Chromosomal Location of Human Ortholog: 8p11.2 Cellular Component: nucleoplasm; chromosome; nucleus Molecular Function: protein binding; zinc ion binding; histone lysine N-methyltransferase activity (H3-K4 specific); histone-lysine N-methyltransferase activity; histone lysine N-methyltransferase activity (H3-K27 specific) Biological Process: histone methylation; establishment and/or maintenance of chromatin architecture; transcription, DNA-dependent; histone H3-K4 methylation; negative regulation of transcription, DNA-dependent Disease: Leukemia, Acute Myeloid
Research Articles on WHSC1L1	**1.** PPAPDC1B and WHSC1L1 played a major role in regulating the survival of breast cancer, pancreatic adenocarcinoma and small-cell lung cancer-derived cell lines.
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