

Rabbit WHSC1 Antibody | anti-WHSC1 antibody

WHSC1 Polyclonal Antibody

CATALOG # AAA280552	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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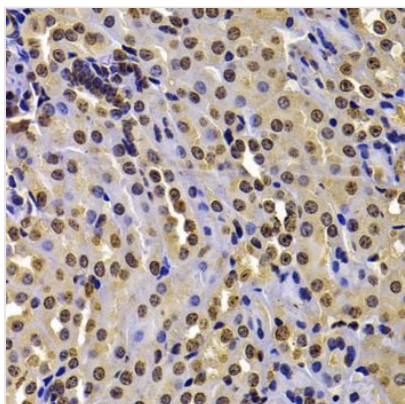
PRODUCT SYNONYMS

WHSC1; WHSC1 Polyclonal Antibody; NSD2; KMT3F; KMT3G; MMSET; REIIBP; TRX5; WHS; anti-WHSC1 antibody

PRODUCT SPECIFICATIONS

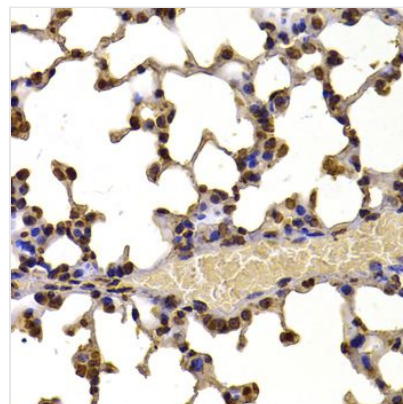
Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-WHSC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Cross-Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human WHSC1 (NP_579877.1).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



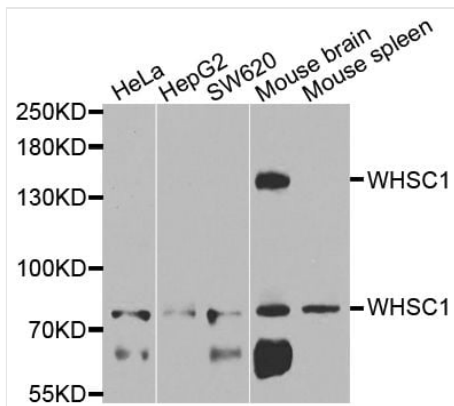
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using WHSC1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using WHSC1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using WHSC1 antibody (AAA280552) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-WHSC1 antibody

This gene encodes a protein that contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain, and a PHD-type zinc finger. It is expressed ubiquitously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene maps to the 165 kb WHS critical region and has also been involved in the chromosomal translocation t(4;14)(p16.3;q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Some transcript variants are nonsense-mediated mRNA (NMD) decay candidates, hence not represented as reference sequences.

NCBI AND UNIPROT INFORMATION

NCBI GI #	109633019
NCBI GeneID	7468
NCBI Accession #	NP_001035889.1
NCBI GenBank Nucleotide #	NM_001042424.2
UniProt Accession #	O96028; O96031; Q4VBY8; Q672J1; Q6IS00; Q86V01; Q9BZB4; A2A2T2; A2A2T3; A2A2T4; A7MCZ1; D3DVQ2
Molecular Weight	Observed MW: 80kDa, 152kDa Calculated MW: 30kDa/53kDa/66kDa/69kDa/71kDa/80kDa/152kDa
NCBI Official Full Name	histone-lysine N-methyltransferase NSD2 isoform 1
NCBI Official Synonym Full Names	Wolf-Hirschhorn syndrome candidate 1
NCBI Official Symbol	WHSC1
NCBI Official Synonym Symbols	WHS; NSD2; TRX5; MMSET; REIIBP
NCBI Protein Information	histone-lysine N-methyltransferase NSD2
UniProt Protein Name	Histone-lysine N-methyltransferase NSD2
UniProt Gene Name	WHSC1
UniProt Synonym Gene Names	KIAA1090; MMSET; NSD2; TRX5; MMSET; NSD2; WHSC1
UniProt Entry Name	NSD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

