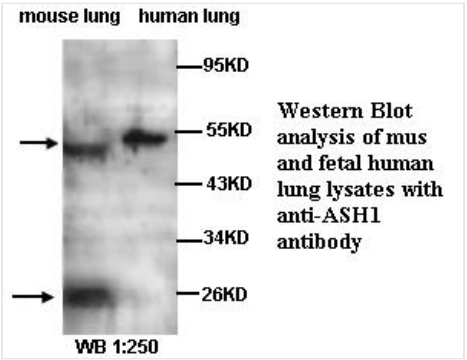
ASH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ASH1, Polyclonal Antibody
Full Product Name	ASH1 Antibody
Product Gene Name	anti-ASH1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS, pH 7.4 with 0.02% Sodium Azide
Purity/Purification	Affinity purified
Concentration	1.0 mg/ml (lot specific)
Specificity	Not yet tested in other species
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.
OMIM	607999
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide conjugated to KLH
Target Name	ASH1
Product Categories/Family for anti-ASH1 antibody	Total protein Ab
Applications Tested/Suitable for anti-ASH1 antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-ASH1 antibody	MBS9401209 is an antibody targeting ASH1. Also known as ASH1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ASH1 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.



Testing Data of anti-ASH1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ASH1. It may not necessarily be applicable to this product.

NCBI GI #	7739725
NCBI GeneID	55870
NCBI Accession #	AAF68983.1
UniProt Secondary Accession #	Q59GP1; Q5T714; Q5T715; Q9P2C7
UniProt Related Accession #	Q9NR48
NCBI Official Full Name	ASH1
NCBI Official Synonym Full Names	ash1 (absent, small, or homeotic)-like (Drosophila)
NCBI Official Symbol	ASH1L
NCBI Official Synonym Symbols	ASH1; KMT2H; ASH1L1
UniProt Protein Name	Histone-lysine N-methyltransferase ASH1L
UniProt Synonym Protein Names	ASH1-like protein; huASH1; Absent small and homeotic disks protein 1 homolog; Lysine N-methyltransferase 2H
Protein Family	Hemolysin
UniProt Gene Name	ASH1L
UniProt Synonym Gene Names	KIAA1420; KMT2H; huASH1
UniProt Entry Name	ASH1L_HUMAN
NCBI Protein Information	histone-lysine N-methyltransferase ASH1L
NCBI Summary for ASH1	This gene encodes a member of the trithorax group of transcriptional activators. The protein contains four AT hooks, a SET domain, a PHD-finger motif, and a bromodomain. It is localized to many small speckles in the nucleus, and also to cell-cell tight junctions. [provided by RefSeq, Jul 2008]
UniProt Comments for ASH1	ASH1L: a protein methyltransferase that specifically methylates K36 of histone H3 (H3K36me). A member of the trithorax group (trxG) of transcriptional activators that is required for proper expression of Hox genes and is preferentially expressed in haematopoietic stem cells. Widely expressed, with high levels in brain, heart and kidney. The protein contains four AT hooks, a SET domain, a PHD-finger motif, and a bromodomain. It is localized to many small speckles in the nucleus, and also to cell-cell tight junctions. Protein type: Cell adhesion; EC 2.1.1.43; Amino Acid Metabolism - lysine degradation; Methyltransferase, protein lysine; Methyltransferase Chromosomal Location of Human Ortholog: 1q22 Cellular Component: nucleoplasm; Golgi apparatus; tight junction; cytoplasm; chromosome; nucleus Molecular Function: DNA binding; zinc ion binding; histone lysine N-methyltransferase activity (H3-K4 specific); chromatin binding Biological Process: transcription from RNA polymerase II promoter; cell-cell signaling; negative regulation of MAPKKK cascade; interleukin-6 production; histone H3-K4 methylation; negative regulation of acute inflammatory response; positive regulation of transcription from RNA polymerase II promoter; negative regulation of I-kappaB kinase/NF-kappaB cascade; DNA packaging
Research Articles on ASH1	**1.** These data demonstrate that miR-142-3p downregulation has a role in thyroid tumorigenesis, by regulating ASH1L and MLL1.
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