

**ASH2L Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9648c****Specification**

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**ASH2L Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UBL3](#)**ASH2L Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9070**Other Names**

Set1/Ash2 histone methyltransferase complex subunit ASH2, ASH2-like protein, ASH2L, ASH2L1

**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.

**ASH2L Antibody (Center) Blocking Peptide - Protein Information****Name** ASH2L**Synonyms** ASH2L1**Function**

Transcriptional regulator (PubMed: [12670868](http://www.uniprot.org/citations/12670868)). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed: [19131338](http://www.uniprot.org/citations/19131338)). Component of the Set1/Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated (PubMed: [19556245](http://www.uniprot.org/citations/19556245)). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed: [19556245](http://www.uniprot.org/citations/19556245)). May play a role in hematopoiesis (PubMed: [12670868](http://www.uniprot.org/citations/12670868)). In association with RBBP5 and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed: [21220120](http://www.uniprot.org/citations/21220120), PubMed: [22266653](http://www.uniprot.org/citations/22266653)).

**Cellular Location**

Nucleus.

**Tissue Location**

Ubiquitously expressed. Predominantly expressed in adult heart and testis and fetal lung and liver, with barely detectable expression in adult lung, liver, kidney, prostate, and peripheral leukocytes.

**ASH2L Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ASH2L Antibody (Center) Blocking Peptide - Images****ASH2L Antibody (Center) Blocking Peptide - Background**

Component of the Set1/Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. May function as a transcriptional regulator. May play a role in hematopoiesis.

**ASH2L Antibody (Center) Blocking Peptide - References**

Pullirsch, D., et al. Development 137(6):935-943(2010) Magerl, C., et al. Hum. Pathol. 41(2):181-189(2010) Patel, A., et al. J. Biol. Chem. 284(36):24242-24256(2009) Garapaty, S., et al. J. Biol. Chem. 284(12):7542-7552(2009) Southall, S.M., et al. Mol. Cell 33(2):181-191(2009)