

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

ASH2L Antibody (Center) Blocking Peptide - Product InformationPrimary 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)