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ASH2L Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21332c

Specification

ASH2L Blocking Peptide (Center) - Product Information

Primary Accession Q9UBL3

ASH2L Blocking Peptide (Center) - Additional Information

Gene ID 9070

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

Target/Specificity
The synthetic peptide sequence is selected from aa 347-362 of HUMAN ASH2L

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 Blocking Peptide (Center) - Protein Information

Name ASH2L

Synonyms ASH2L1

Function
Transcriptional regulator (PubMed:12670868). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed: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). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed:19556245). May play a role in hematopoiesis (PubMed:12670868). In association with RBBP5 and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed:<a

href="http://www.uniprot.org/citations/21220120" target="_blank">21220120, PubMed: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 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

ASH2L Blocking Peptide (Center) - Images

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

Wang J.,et al.J. Mol. Med. 79:399-405(2001).
Ikegawa S.,et al.Cytogenet. Cell Genet. 84:167-172(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wysocka J.,et al.Genes Dev. 17:896-911(2003).