

**ASH2L Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5312****Specification**

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**ASH2L Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UBL3</a>
Other Accession	<a href="#">O91X20</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=69, 56, 60;M=68 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**ASH2L Antibody (Center) - Additional Information****Gene ID** 9070**Antigen Region**  
237-270**Other Names**

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

**Dilution**

WB~~1:1000

**Target/Specificity**

This ASH2L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 237-270 amino acids from the Central region of human ASH2L.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ASH2L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ASH2L Antibody (Center) - Protein Information****Name** ASH2L

## Synonyms ASH2L1

### Function

Transcriptional regulator (PubMed:<a href="http://www.uniprot.org/citations/12670868" target="\_blank">12670868</a>). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed:<a href="http://www.uniprot.org/citations/19131338" target="\_blank">19131338</a>). 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:<a href="http://www.uniprot.org/citations/19556245" target="\_blank">19556245</a>). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed:<a href="http://www.uniprot.org/citations/19556245" target="\_blank">19556245</a>). May play a role in hematopoiesis (PubMed:<a href="http://www.uniprot.org/citations/12670868" target="\_blank">12670868</a>). 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</a>, PubMed:<a href="http://www.uniprot.org/citations/22266653" target="\_blank">22266653</a>).

### 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.

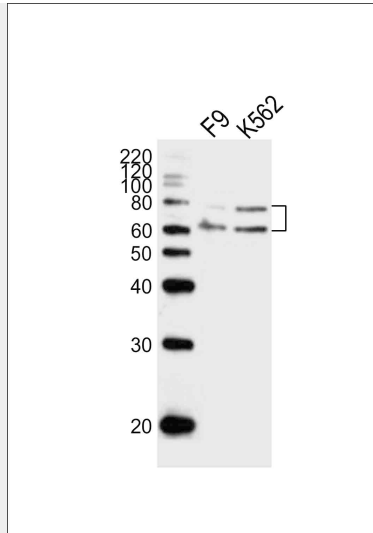
## ASH2L Antibody (Center) - Protocols

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

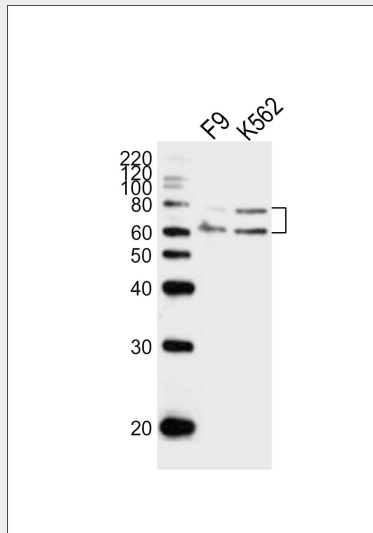
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## ASH2L Antibody (Center) - Images





Western blot analysis of lysates from mouse F9,K562 cell line (from left to right), using ASH2L Antibody (Center)(Cat. #AW5312). AW5312 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.



Western blot analysis of lysates from mouse F9,K562 cell line (from left to right), using ASH2L Antibody (Center)(Cat. #AW5312). AW5312 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

### ASH2L Antibody (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 Antibody (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).