

# ASH2L Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP21332c

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, E                  |
| <b>Primary Accession</b> | <a href="#">Q9UBL3</a> |
| <b>Reactivity</b>        | Human, Mouse           |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | polyclonal             |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Clone Names</b>       | RB52789                |
| <b>Calculated MW</b>     | 68723                  |

## Additional Information

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|---------------------------|--|
| <b>Gene ID</b>            | 9070   |
| <b>Other Names</b>        | Set1/Ash2 histone methyltransferase complex subunit ASH2, ASH2-like protein, ASH2L, ASH2L1   |
| <b>Target/Specificity</b> | This ASH2L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 347-382 amino acids from the Central region of human ASH2L.         |
| <b>Dilution</b>           | WB~~1:2000 E~~Use at an assay dependent concentration.   |
| <b>Format</b>             | 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. |
| <b>Storage</b>            | 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.                                      |
| <b>Precautions</b>        | ASH2L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.  |

## Protein Information

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|-----------------|---|
| <b>Name</b>     | ASH2L ( <a href="#">HGNC:744</a> )  |
| <b>Synonyms</b> | ASH2L1  |
| <b>Function</b> | Transcriptional regulator (PubMed: <a href="#">12670868</a> ). 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:[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.

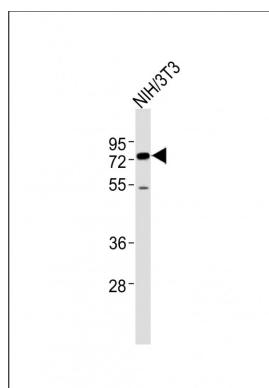
## Background

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.

## References

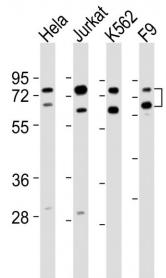
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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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## Images



All lanes : Anti-ASH2L Antibody (Center) at 1:2000 dilution + NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes : Anti-ASH2L Antibody (Center) at 1:2000 dilution  
Lane 1: Hela whole cell lysates Lane 2: Jurkat whole cell lysates Lane 3: K562 whole cell lysates Lane 4: F9 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.