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# ASH2L antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10117

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q9UBL3 |
| **Other Accession** | Q9UBL3, NP_004665, NM_004674 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Chicken, Dog, Guinea Pig, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 68723 |

## Additional Information

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| **Gene ID** | 9070 |
| **Alias Symbol** | ASH2, ASH2L1, ASH2L2, Bre2 |
| **Other Names** | Set1/Ash2 histone methyltransferase complex subunit ASH2, ASH2-like protein, ASH2L, ASH2L1 |
| **Target/Specificity** | ASH2L is 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. The protein may function as a transcriptional regulator and play a role in hematopoiesis. |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-ASH2L antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | ASH2L antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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:21220120, PubMed:22266653).

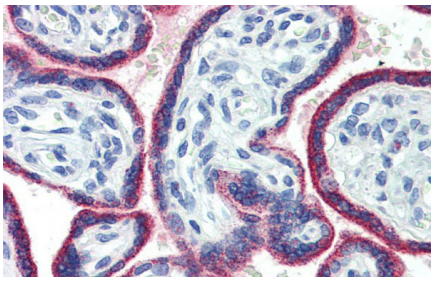
**Cellular Location** Nucleus.

**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.

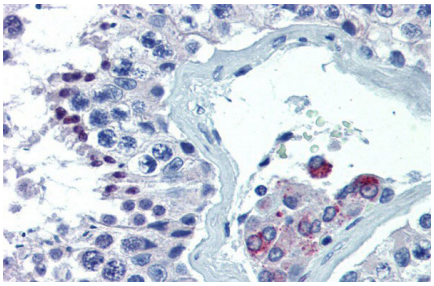
## Background

This is a rabbit polyclonal antibody against ASH2L. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

## Images



ASH2L antibody - middle region (AI10117) in Human Placenta cells using Immunohistochemistry
Immunohistochemistry with Human Placenta lysate tissue at an antibody concentration of 5.0 µg/ml using anti-ASH2L antibody (AI10117)



ASH2L antibody - middle region (AI10117) in Human Testis cells using Immunohistochemistry
Immunohistochemistry with Human Testis lysate tissue at an antibody concentration of 5.0 µg/ml using anti-ASH2L antibody (AI10117)


ASH2L antibody - middle region (AI10117) in Human HeLa cells using Western Blot
WB Suggested Anti-ASH2L Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Hela cell lysate