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ASH2L antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10117

Specification

ASH2L antibody - middle region - Product Information

Application	**IHC, WB**
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	**69 kDa KDa**

ASH2L antibody - middle region - Additional Information

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.

ASH2L antibody - middle region - 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:21220120, PubMed:22266653).

Cellular Location
Nucleus.

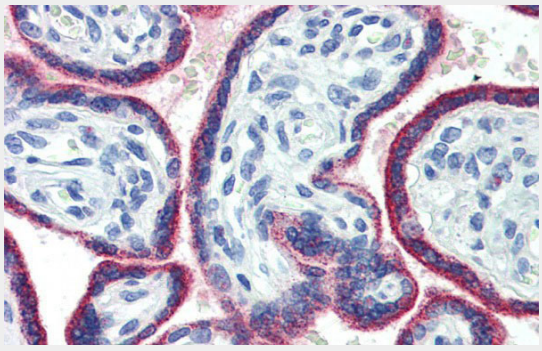
Tissue Location
Ubiquitously expressed. Predominantly expressed in adult heart and testis and fetal lung and liver, with barely detectable expression in adult lung, liver, kidney, prostate, and peripheral leukocytes.

ASH2L antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ASH2L antibody - middle region - Images



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

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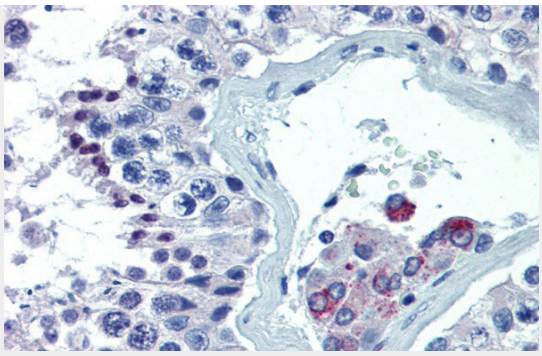

ASH2L antibody - middle region (AI10117) in Human Testis cells using Immunohistochemistry
Immunohistochemistry with Human Testis lysate tissue at an antibody concentration of 5.0µg/ml using anti-ASH2L antibody (AI10117)

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

ASH2L antibody - middle region - 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).