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ASH2L antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10117

Product Information

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

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

Name	ASH2L (HGNC:744)
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).

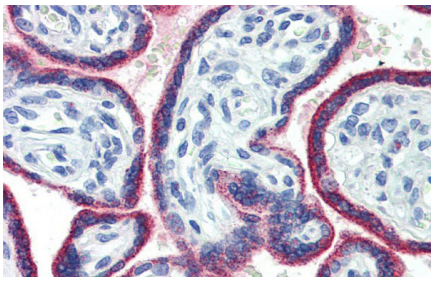
Cellular Location Nucleus.

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.

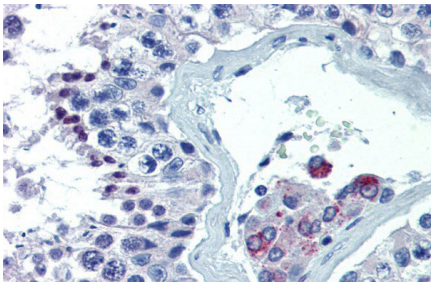
Background

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

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