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ASH2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10591

Specification

ASH2 Antibody - Product Information

Application	**WB, IP**
Primary Accession	Q9UBL3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68723**

ASH2 Antibody - Additional Information

Gene ID 9070

Application & Usage

Western blotting (1:500 – 1:2500) and Immunoprecipitation. 293T cell lysate can be used as a positive control. However, the optimal concentrations should be determined individually. The antibody recognizes the ASH2 of human origin. Reactivity to other species has not been tested.

Other Names
ASH2, ASH2L1, ASH2L2, Absent, Small, or Homeotic-Like 2; Trithorax protein ASH

Target/Specificity
ASH2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
ASH2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ASH2 Antibody - 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.

ASH2 Antibody - 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

ASH2 Antibody - Images

ASH2 Antibody - Background

ASH2 (absent, small, or homeotic discs 2) is a subunit of a human Set1-like histone methyltransferase (HMT) complex. The Set-1 like complexes are responsible for mono-, di-, and tri-methylation of histone H3 K4. ASH2 associates with a multitude of proteins in a number of Set1-like complexes which include various combinations of MLL, MLL2, MLL3, MLL4, RBBP5,WDR5,

hDPY-30, hSwd2, CXXC1, HCF1, Menin, PTIP, PA1, NCOA6, and UTX.