

# ASH2L Rabbit mAb

Catalog # AP74882

## Product Information

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<b>Application</b>	WB, FC, IP
<b>Primary Accession</b>	<a href="#">Q9UBL3</a>
<b>Reactivity</b>	Rat, Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	68723

## Additional Information

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<b>Gene ID</b>	9070
<b>Other Names</b>	ASH2L
<b>Dilution</b>	WB~~1:1000-1:5000 FC~~1:20-1:50 IP~~1:20-1:50
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## 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: <a href="#">19131338</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 (PubMed: <a href="#">19556245</a> ). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed: <a href="#">19556245</a> ). May play a role in hematopoiesis (PubMed: <a href="#">12670868</a> ). In association with RBBP5 and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed: <a href="#">21220120</a> , PubMed: <a href="#">22266653</a> ).

**Cellular Location**

Nucleus.

**Tissue Location**

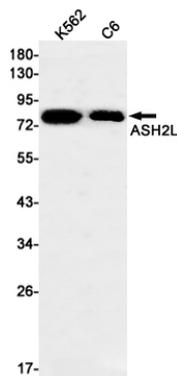
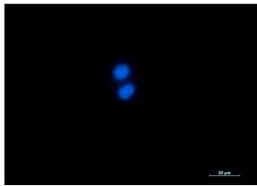
Ubiquitously expressed. Predominantly expressed in adult heart and testis and fetal lung and liver, with barely detectable expression in adult lung, liver, kidney, prostate, and peripheral leukocytes.

**Background**

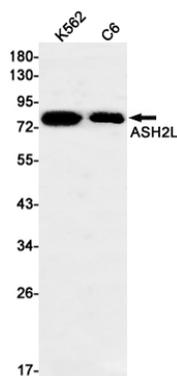
ASH2L (Ash2 (Absent, Small, Or Homeotic)-Like (Drosophila)) is a Protein Coding gene. Diseases associated with ASH2L include Kabuki Syndrome 1. Among its related pathways are Developmental Biology and Signaling by Wnt. GO annotations related to this gene include transcription regulatory region DNA binding and histone methyltransferase activity (H3-K4 specific).

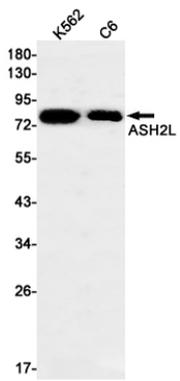
**Images**

Immunocytochemistry analysis of ASH2L (green) in K562 using ASH2L antibody, and DAPI (blue).



Western blot analysis of ASH2L in K562, C6 lysates using ASH2L antibody.





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