10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASH2L Antibody

Rabbit mAb
Catalog # AP90529

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q9UBL3
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	ASH 2; ASH2; ASH2 LIKE; ASH2 like protein; ASH2-like protein; Ash2l; ASH2L1; ASH2L2; Bre 2; Bre2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	68723

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ASH2L
Description	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. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. May function as a transcriptional regulator. May play a role in hematopoiesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

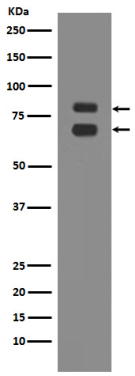
Name	ASH2L (HGNC:744)
Synonyms	ASH2L1
Function	Transcriptional regulator (PubMed: 12670868). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed:19131338). Component of the Set1/Ash2 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.

Images



Western blot analysis of ASH2L expression in K562 cell lysate.

Image not found : 202311/AP90529-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human kideny, using ASH2L Antibody.