ARG43170
anti-ASH2L antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ASH2L
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ASH2L
Species	Human
Immunogen	Synthetic peptide derived from Human ASH2L.
Conjugation	Un-conjugated
Alternate Names	ASH2-like protein; ASH2L1; ASH2L2; Set1/Ash2 histone methyltransferase complex subunit ASH2; Bre2; ASH2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	K562
Observed Size	69, 80 kDa

Properties

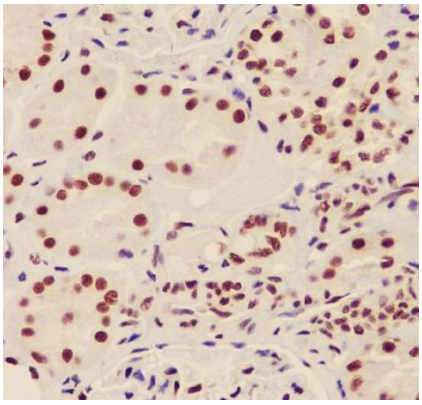
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

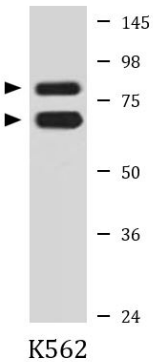
Gene Symbol	ASH2L
Gene Full Name	ash2 (absent, small, or homeotic)-like (Drosophila)
Function	Component of the Set1/Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated. As part of 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. In association with RBBP5 and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed:21220120, PubMed:22266653). [UniProt]
Calculated Mw	69 kDa
PTM	Both monomethylated and dimethylated on arginine residues in the C-terminus. Arg-296 is the major site. Methylation is not required for nuclear localization, nor for MLL complex integrity or maintenance of global histone H3K4me3 levels. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG43170 anti-ASH2L antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kideny tissue stained with ARG43170 anti-ASH2L antibody.



ARG43170 anti-ASH2L antibody WB image

Western blot: K562 cell lysate stained with ARG43170 anti-ASH2L antibody.