

Rabbit ASH2 Polyclonal Antibody | anti-ASH2 antibody

ASH2 Antibody

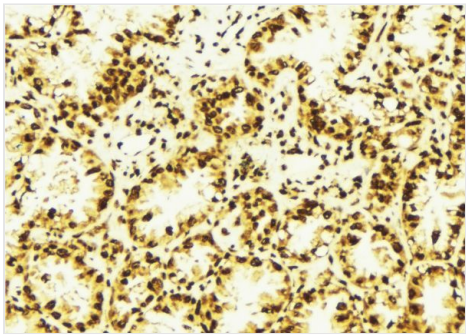
CATALOG # AAA327198	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

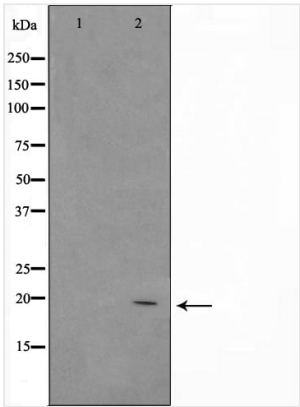
ASH2; Polyclonal Antibody; ASH2 Antibody; ASH 2; Ash2 (absent small or homeotic) like; Ash2 (absent; small; or homeotic) like (Drosophila); ASH2 LIKE; ASH2 like protein; ASH2-like protein; Ash2l; ASH2L_HUMAN; ASH2L1; antibody; ASH2L2; Bre 2; Bre2; Discs 2-like; Drosophila absent; or homeotic; Drosophila ASH2-like; Set1/Ash2 histone methyltransferase complex subunit ASH2; anti-ASH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ASH2 antibody detects endogenous levels of total ASH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-ASH2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ASH2
Subcellular Location	Nucleus.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (86%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA327198 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of ASH2 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ASH2 antibody	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. Subunit Structure: Interacts with HCFC1. Core component of several methyltransferase-containing complexes including MLL1/MLL, MLL2/3 (also named ASCOM complex) and MLL4/WBP7. Each complex is at least composed of ASH2L, RBBP5, WDR5, DPY30, one or more specific histone methyltransferases (KMT2A/MLL1, KMT2D/MLL2, KMT2C/MLL3 and KMT2B/MLL4), and the facultative components PAGR1, BAP18, CHD8, E2F6, HCFC1, HCFC2, HSP70, INO80C, KDM6A, KANSL1, LAS1L, MAX, MCRS1, MEN1, MGA, KAT8/MOF, NCOA6, PAXIP1/PTIP, PELP1, PHF20, PRP31, RING2, RUVB1/TIP49A, RUVB2/TIP49B, SENP3, TAF1, TAF4, TAF6, TAF7, TAF9, TEX10 and alpha-and beta-tubulin. Interacts with DPY30 and RBBP5; the interaction is direct. Component of the SET1 complex, at least composed of the catalytic subunit (SETD1A or SETD1B), WDR5, WDR82, RBBP5, ASH2L/ASH2, CXXC1/CFP1, HCFC1 and DPY30. Interacts with SETD1A and SETD1B. Post-translational Modifications: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157412282
NCBI GeneID	9070
NCBI Accession #	NP_001098684.1
NCBI GenBank Nucleotide #	NM_001105214.2
UniProt Accession #	Q9UBL3; O60659; O60660; Q96B62; A8K7C3; D3DSW9
Molecular Weight	Observed: 20 kDa Predicted: 69 kDa
NCBI Official Full Name	set1/Ash2 histone methyltransferase complex subunit ASH2 isoform b
NCBI Official Synonym Full Names	ASH2 like, histone lysine methyltransferase complex subunit
NCBI Official Symbol	ASH2L
NCBI Official Synonym Symbols	ASH2; Bre2; ASH2L1; ASH2L2
NCBI Protein Information	set1/Ash2 histone methyltransferase complex subunit ASH2
UniProt Protein Name	Set1/Ash2 histone methyltransferase complex subunit ASH2

UniProt Gene Name	ASH2L
UniProt Synonym Gene Names	ASH2L1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ash2-antibody-immunohistochemistry-western-blot-elisa/327198>