

Rabbit ASH2L Polyclonal Antibody | anti-ASH2L antibody

Anti-ASH2L Antibody Picoband

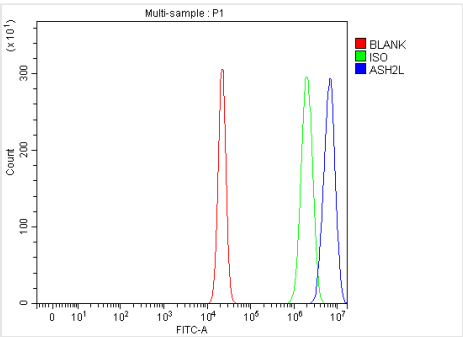
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19861	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

ASH2L; Polyclonal Antibody; Anti-ASH2L Antibody Picoband; anti-ASH2L antibody

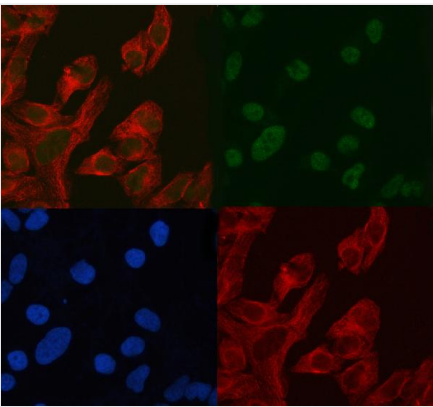
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ASH2L antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human ASH2L recombinant protein (Position: N142-P628). Human ASH2L shares 99.2% amino acid (aa) sequence identity with mouse ASH2L.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 21. Flow Cytometry analysis of U2OS cells using anti-ASH2L antibody (AAA19861).Overlay histogram showing U2OS cells stained with AAA19861 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ASH2L Antibody (AAA19861, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 20. IF analysis of ASH2L using anti-ASH2L antibody (AAA19861) and anti-Beta Tubulin antibody (M01857-3).ASH2L was detected in immunocytochemical section of HELA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-ASH2L Antibody (AAA19861) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127)(B) and DyLight®550 Conjugated Goat Anti-Mouse IgG (BA1133)(D) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI(C). Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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ADDITIONAL INFORMATION

Related Product Information for anti-ASH2L antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ASH2L antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 3/14/2014.2. Ikegawa, S., Isomura, M., Koshizuka, Y., Nakamura, Y. Cloning and characterization of ASH2L and Ash2l, human and mouse homologs of the Drosophila ash2 gene. Cytogenet. Cell Genet. 84: 167-172, 1999.3. Li, Y., Han, J., Zhang, Y., Cao, F., Liu, Z., Li, S., Wu, J., Hu, C., Wang, Y., Shuai, J., Chen, J., Cao, L., Li, D., Shi, P., Tian, C., Zhang, J., Dou, Y., Li, G., Chen, Y., Lei, M. Structural basis for activity regulation of MLL family methyltransferases. Nature 530: 447-452, 2016.

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	60,208 Da
NCBI Official Full Name	set1/Ash2 histone methyltransferase complex subunit ASH2 isoform b
NCBI Official Synonym Full Names	ash2 (absent, small, or homeotic)-like (Drosophila)
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
UniProt Entry Name	ASH2L_HUMAN

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.