

Rabbit anti-Human DOT1L Polyclonal Antibody | anti-DOT1L antibody

Rabbit anti-DOT1L Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211245	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

DOT1L; Polyclonal Antibody; Rabbit anti-DOT1L Antibody; Affinity Purified; H3-K79-HMTase; histone H3-K79 methyltransferase; lysine N-methyltransferase 4; KMT4; histone methyltransferase DOT1L; DOT1; DOT1-like protein; histone-lysine N-methyltransferase; H3 lysine-79 specific; DOT1-like histone methyltransferase; DOT1 like histone H3K79 methyltransferase; DOT1-like; histone H3 methyltransferase; Histone-lysine N-methyltransferase; DOT1 like histone lysine methyltransferase; anti-DOT1L antibody

PRODUCT SPECIFICATIONS

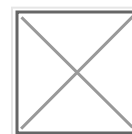
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-DOT1L antibody	ChIP (Chromatin immunoprecipitation), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1000 and 1050
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human DOT1L by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-DOT1L antibody AAA211245 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate (B). DOT1L was also immunoprecipitated by rabbit anti-DOT1L antibody which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).



IHC (Immunohistochemistry)

Detection of human DOT1L by immunohistochemistry. Sample: FFPE section of human lung carcinoma. Antibody: Affinity purified rabbit anti-DOT1L (Cat. No. AAA211245 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB



ChIP (Chromatin Immunoprecipitation)

Localization of DOT1L Binding Sites by ChIP-sequencing. Chromatin from KOPN-8 cell line was immunoprecipitated with anti-DOT1L antibody AAA211245 and analyzed by DNA sequencing. The figure illustrates the peak distribution of DOT1L binding within a 250 Kb region of chromosome 10 as detected using anti-DOT1L antibody AAA211245. ChIP-seq validation performed by Active Motif, Carlsbad, CA.

ADDITIONAL INFORMATION

Related Product Information for anti-DOT1L antibody	DOT1L is a histone methyltransferase that methylates nucleosomal histone H3 on lysine 79. In contrast to other lysine histone methyltransferase, DOT1L does not contain a SET domain, a domain shown to be necessary for methyltransferase activity.
Product Categories/Family for anti-DOT1L antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	22094135
NCBI GeneID	84444
NCBI Accession #	NP_115871.1
NCBI GenBank Nucleotide #	NM_032482.2
UniProt Accession #	Q8TEK3 ; O60379 ; Q96JL1
Molecular Weight	184853 MW
NCBI Official Full Name	histone-lysine N-methyltransferase, H3 lysine-79 specific
NCBI Official Synonym Full Names	DOT1 like histone lysine methyltransferase
NCBI Official Symbol	DOT1L
NCBI Official Synonym Symbols	DOT1; KMT4
NCBI Protein Information	histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Gene Name	DOT1L
UniProt Synonym Gene Names	KIAA1814; KMT4; H3-K79-HMTase

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/dot1l-antibody-chromatin-immunoprecipitation-immunohistochemistry-immunoprecipitation-western-blot-elisa/211245>