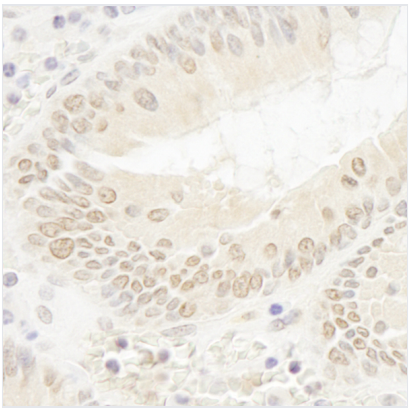
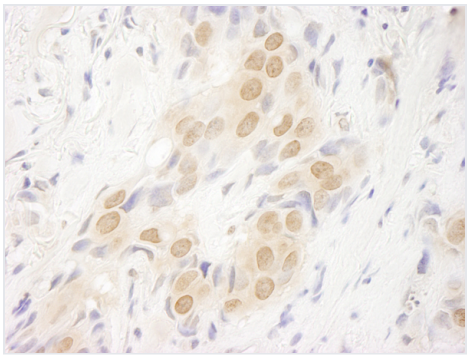
DOT1L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DOT1L, Polyclonal Antibody
Full Product Name	Rabbit anti-DOT1L IHC Antibody, Affinity Purified
Product Gene Name	anti-DOT1L antibody
Product Synonym Names	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, H3 lysine-79 specific; DOT1 like histone lysine methyltransferase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	100ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	184853 MW
OMIM	AF509504 mRNA
3D Structure	ModBase 3D Structure for Q8TEK3
Predicted Reactivity	Orangutan, Monkey, Northern white-cheeked gibbon, White-tufted-ear marmoset
Immunogen	Between 1000 and 1050
Conjugation	Unconjugated
Product Categories/Family for anti-DOT1L antibody	Primary Antibodies
Applications Tested/Suitable for anti-DOT1L antibody	Immunohistochemistry (IHC)
Application Notes for anti-DOT1L antibody	IHC: 1:100-1:500
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.
Other Notes	Small volumes of anti-DOT1L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DOT1L purchase	MBS3907786 is an antibody targeting DOT1L. Also known as Rabbit anti-DOT1L IHC Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-DOT1L antibody
Detection of human DOT1L by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-DOT1L (Cat. No. MBS3907786) used at a dilution of 1:100. Detection: DAB



Immunohistochemistry (IHC) of anti-DOT1L antibody
Detection of human DOT1L by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-DOT1L (Cat. No. MBS3907786) used at a dilution of 1:100. Detection: DAB

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DOT1L. It may not necessarily be applicable to this product.

NCBI GI #	22094135
NCBI GeneID	84444
NCBI Accession #	NP_115871.1
UniProt Primary Accession #	Q8TEK3
UniProt Secondary Accession #	O60379; Q96JL1
UniProt Related Accession #	Q8TEK3
GenBank Nucleotide #	NM_032482.2
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
UniProt Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Synonym Protein Names	DOT1-like protein; Histone H3-K79 methyltransferase; H3-K79-HMTase; Lysine N-methyltransferase 4
UniProt Gene Name	DOT1L
UniProt Synonym Gene Names	KIAA1814; KMT4; H3-K79-HMTase
NCBI Protein Information	histone-lysine N-methyltransferase, H3 lysine-79 specific
NCBI Summary for DOT1L	The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. [provided by RefSeq, Aug 2011]
UniProt Comments for DOT1L	Histone methyltransferase. Methylates 'Lys-79' of histone H3. Nucleosomes are preferred as substrate compared to free histones. Binds to DNA.
Research Articles on DOT1L	**1.** findings demonstrate that DOT1L over-expression has important clinical significance in ovarian cancer and also clarify that it drives cell cycle progression through transcriptional regulation of CDK6 and CCND3 through H3K79 methylation

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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