

OriGene Technologies, Inc.

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Product datasheet for TA802738S

DOT1L Mouse Monoclonal Antibody [Clone ID: OTI6E7]

Product data:

Clone Name:OTIGE7Applications:HC. WBAccommended Diluto:WB 12000, HIC 1:150Reactivity:HumanHost:MouseIsotype:JG 2DClonality:MonoclonalImmunogen:WB (PH 7), HSS71) produced in E. coli.Pormulation:PS (PH 7), HSS71) produced in E. coli.Formulation:Nonigle Colinality:Portification:Nonigle Colinality:Portification:Nonigle Colinality:Fornulation:Nonigle Colinality:Portification:Nonigle Colinality:Portification:Nonigle Colinality:Portification:Store 20°C as received.Fornulation:Nonigle Colinality:Prodiced Proteins:Nonigle Colinality:Prodiced Proteins:Nonigle Colinality:Prodiced Proteins:Nonigle Store sto	Product Type:	Primary Antibodies
Accommended DilutionVB 1:2000, IHC 1:150Reactivity:HumanHost:MouseIsotype:IgG2bClonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1008-1424 of human DOT1L (NP_115871) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugaton:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein SizeId-7 kDaGene Name:DOT1 like histone lysine methyltransferaseDatabase Link:NP 115871 Entrez Gene S4444 Human OSTEKSaBackground:Kop protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3.1t is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. [provided by RefSeq, Aug 2011]Synonyms:DOT1; KMT4	Clone Name:	OTI6E7
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Host:MouseIsotype:IgG2bClonality:MonoclonalImmunogen:Human recombinant protein fragment corresponding to amino acids 1008-1424 of human DOT1L (NP_115871) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography cprotein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size164.7 kDaGene Name:DOT1 like histone lysine methyltransferaseDATI like histone lysine methyltransferaseDatabase Link:NP 115871 Entrez Gene 84444 Human OSTEK3Background: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]Synonyms:DOT1; KMT4	Recommended Dilution:	WB 1:2000, IHC 1:150
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Immunogen:Human recombinant protein fragment corresponding to amino acids 1008-1424 of human DOT1L (NP_115871) produced in E.coli.Formulation:PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.Concentration:1 mg/mlPurification:Qurified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)Conjugation:UnconjugatedStorage:Store at -20°C as received.Stability:Stable for 12 months from date of receipt.Predicted Protein Size:164.7 kDaGene Name:DOT1 like histone lysine methyltransferaseDatabase Link:NP_115871 Entrez Gene 84444 Human O8TEK3Background:Ne 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]Synonyms:DOT1; KMT4	lsotype:	lgG2b
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	Background:	histone H3. It is inactive against free core histones, but shows significant histone
Protein Families: Druggable Genome	Synonyms:	DOT1; KMT4
	Protein Families:	Druggable Genome



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Lysine degradation

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DOT1L (Cat# [RC218547], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DOT1L(Cat# [TA802738]). Positive lysates [LY410109] (100ug) and [LC410109] (20ug) can be purchased separately from OriGene.

Immunohistochemical staining of paraffinembedded Human thyroid tissue within the normal limits using anti-DOT1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802738])

Immunohistochemical staining of paraffinembedded Carcinoma of Human thyroid tissue using anti-DOT1L mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802738])

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