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Anti-KMT4 / Dot1L Rabbit Monoclonal Antibody

Catalog # ABO14118

Product Information

Application	WB
Primary Accession	Q8TEK3
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-KMT4 / Dot1L Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse.

Additional Information

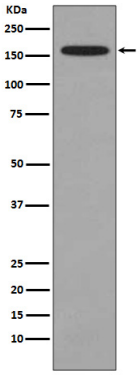
Gene ID	84444
Other Names	Histone-lysine N-methyltransferase, H3 lysine-79 specific, 2.1.1.360, DOT1-like protein, Histone H3-K79 methyltransferase, H3-K79-HMTase, Lysine N-methyltransferase 4, DOT1L (HGNC:24948), KIAA1814, KMT4
Calculated MW	164856
Application Details	WB 1:500-1:3000
Subcellular Localization	Nucleus.
Tissue Specificity	KMT4 / Dot1L Antibody detects endogenous levels of total KMT4 / Dot1L
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: CBF-4
Immunogen	A synthesized peptide derived from human KMT4 / Dot1L
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	DOT1L (HGNC:24948)

Synonyms	KIAA1814, KMT4
Function	Histone methyltransferase that methylates 'Lys-79' of histone H3 (PubMed:12123582, PubMed:38503750, PubMed:38129415). Histones in nucleosomes are preferred as substrate compared to free histones (PubMed:12123582, PubMed:38503750). Binds to DNA (PubMed:12628190, PubMed:38503750). Together with MLLT3/AF9, is involved in SCNN1A transcriptional repression following H3K79 hypermethylation at the promoter (By similarity).
Cellular Location	Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q6XZL8}. Note=Cytoplasmic localization is dependent on and mediated by MLLT6/AF17 {ECO:0000250|UniProtKB:Q6XZL8}

Images



Western blot analysis of KMT4/Dot1L expression in RAW264.7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.