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KMT4 Rabbit mAb

Catalog # AP77447

Product Information

Application	WB
Primary Accession	Q8TEK3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human KMT4 / Dot1L
Purification	Affinity Chromatography
Calculated MW	164856

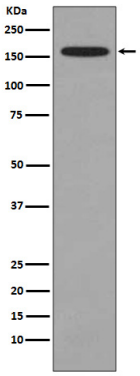
Additional Information

Gene ID	84444
Other Names	DOT1L
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid 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



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