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KMT4 / Dot1L Antibody

Rabbit mAb
Catalog # AP90348

Product Information

Application	WB
Primary Accession	Q8TEK3
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	DOT 1; DOT1L; KMT4; Histone methyltransferase DOT1L; H3 lysine-79 specific;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	164856

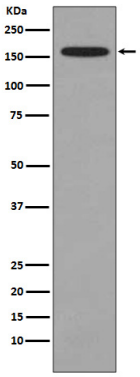
Additional Information

Dilution	WB 1:500~1:3000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human KMT4 / Dot1L
Description	Histone methyltransferase. Methylates 'Lys-79' of histone H3. Nucleosomes are preferred as substrate compared to free histones. Binds to DNA.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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'.