

产品名称: MLL2 Rabbit Polyclonal Antibody
产品货号: APRab13960



产品概述 (Summary)

产品名称 (Production Name)	MLL2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC/IF
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MLL2
别名 (Alternative Names)	ALR KMT2D MLL4
基因 ID (Gene ID)	8085.0
蛋白 ID (SwissProt ID)	O14686.Synthesized peptide derived from human protein . at AA range: 1430-1510

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:300, ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	609kDa

研究背景 (Background)

The protein encoded by this gene is a histone methyltransferase that methylates the Lys-4 position of histone H3. The

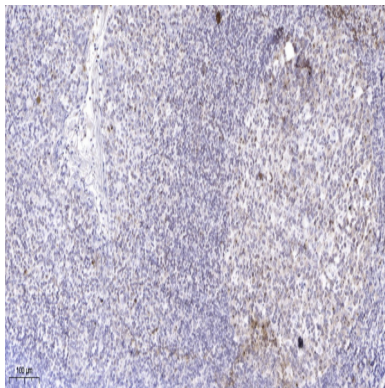
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encoded protein is part of a large protein complex called ASCOM, which has been shown to be a transcriptional regulator of the beta-globin and estrogen receptor genes. Mutations in this gene have been shown to be a cause of Kabuki syndrome. [provided by RefSeq, Oct 2010],catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,domain:LXXLL motifs 5 and 5 are essential for the association with ESR1 nuclear receptor.,function:Histone methyltransferase. Methylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in beta-globin locus transcription regulation by being recruited by NFE2. Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription.,miscellaneous:This gene mapped to a chromosomal region involved in duplications and translocations associated with cancer.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the histone-lysine methyltransferase family. TRX/MLL subfamily.,similarity:Contains 1 post-SET domain.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SET domain.,similarity:Contains 5 PHD-type zinc fingers.,subunit:Component of the MLL2/MLL3 complex (also named ASCOM complex), at least composed of MLL2, MLL3, ASH2L, RBBP5, DPY30, NCOA6, WDR5, MEN1, KDM6A and PAXIP1/PTIP. Interacts with NFE2. Interacts with ESR1; interaction is direct.,tissue specificity:Expressed in most adult tissues, including a variety of hematopoietic cells, with the exception of the liver.,

研究领域 (Research Area)

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

注意事项 (Note)

For research use only .