abcam

Product datasheet

Human KMT2D / MLL2 peptide ab23289

概述

产品名称	人KMT2D / MLL2多肽

描述

性质	Synthetic

氨基酸序列

Accession	O14686
种属	Human
序列	DSQNLAGEDKDSQ-C
氨基酸	2 to 14
额外的序列信息	Entrez gene ID: 8085

技术指标

Our Abpromise guarantee covers the use of **ab23289** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Blocking - Blocking peptide for Anti-KMT2D / MLL2 antibody (ab15962)
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

常规信息

功能	Histone methyltransferase. Methylates 'Lys-4' of histone H3 (H3K4me). H3K4me 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. Plays an important role in controlling bulk H3K4me during oocyte growth and preimplantation development. Required during the transcriptionally active period of oocyte growth for the establishment and/or

	maintenance of bulk H3K4 trimethylation (H3K4me3), global transcriptional silencing that preceeds resumption of meiosis, oocyte survival and normal zygotic genome activation.
组织特异性	Expressed in most adult tissues, including a variety of hematoipoietic cells, with the exception of the liver.
疾病相关	Defects in MLL2 are the cause of Kabuki syndrome (KABS) [MIM:147920]. It is a congenital mental retardation syndrome with additional features, including postnatal dwarfism, a peculiar facies characterized by long palpebral fissures with eversion of the lateral third of the lower eyelids, a broad and depressed nasal tip, large prominent earlobes, a cleft or high-arched palate, scoliosis, short fifth finger, persistence of fingerpads, radiographic abnormalities of the vertebrae, hands, and hip joints, and recurrent otitis media in infancy.
序列相似性	Belongs to the histone-lysine methyltransferase family. TRX/MLL subfamily. Contains 1 FY-rich C-terminal domain. Contains 1 FY-rich N-terminal domain. Contains 5 PHD-type zinc fingers. Contains 1 post-SET domain. Contains 4 RING-type zinc fingers. Contains 1 SET domain.
结构域	LXXLL motifs 5 and 6 are essential for the association with ESR1 nuclear receptor.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus.

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