abcam

Product datasheet

Recombinant Human KMT2D / MLL2 protein ab152839

画像数 1

製品の詳細

製品名	Recombinant Human KMT2D / MLL2 protein
発現系	Wheat germ
アクセッション番号	O14686
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	SKLEGMFPAYLQEAFFGKELLDLSRKALFAVGVGRPSFGLGTPKAKGDGG SERKELPTSQKGDDGPDIADEESRGLEGKADTPGPEDGGVKASPVPSDPE
予測される分子量	37 kDa including tags
領域	1487 to 1586

特性

Our **Abpromise guarantee** covers the use of **ab152839** in the following tested applications.

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

アプリケーション	ELISA Western blot SDS-PAGE
製品の状態	Liquid
備考	

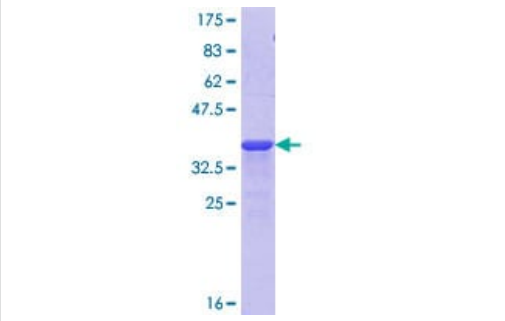
前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

関連情報

機能	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.
組織特異性	Expressed in most adult tissues, including a variety of hematoipoietic cells, with the exception of the liver.
関連疾患	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.
配列類似性	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.
ドメイン	LXXLL motifs 5 and 6 are essential for the association with ESR1 nuclear receptor.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Nucleus.

画像



SDS-PAGE - Recombinant Human KMT2D / MLL2 protein (ab152839)

12.5% SDS-PAGE analysis of ab152839 stained with Coomassie Blue.

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