abcam

Product datasheet

Recombinant Menin protein ab114387

1 图像

描述

产品名称	重组Menin蛋白
表达系统	Wheat germ
Accession	O00255-3
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
序列	MGLKAAQKTLFPLRSIDDVVRLFAAELGREEPDLVLLSLVLG FVEHFL AVNRVIPTNVPELTFQPSPAPDPPGGLTYFPVADLSIIAALY ARFTAQIR GAVDLSLYPREGGVSSRELVKKVSDVIWNSLSRSYFKDRAHI QSLFSFIT GTKLDSSGVAFAVVGACQALGLRDVHLALSEDHAWSWLYLKG SYMRCDRK MEVAFMVCAINPSIDLHTDSLELLQLQQKLLWLLYDLGHLER YPMALGNL ADLEELEPTPGRPDPLTLYHKGIASAKTYYRDEHIYPYMYLA GYHCRNRN VREALQAWADTATVIQDYNYCREDEEIYKEFFEVANDVIPNL LKEAASLL EAGEERPGEQSQGTQSQGSALQDPECFAHLLRFYDGICKWEE GSPTPVLH VGWATFLVQSLGRFEGQVRQKVRIVSREAEAAEAEEPWGEEA REGRRRGP RRESKPEEPPPPKKPALDKGLGTGQGAVSGPPRKPPGTVAGT ARGPEGGS TAQVPAPAASPPPEGPVLTFQSEKMKGMKELLVATKINSSAI KLQLTAQS QVQMKKQKVSTPSDYTLSFLKRQRKGL
预测分子量	89 kDa
氨基酸	1 to 575

技术指标

Our **Abpromise guarantee** covers the use of **ab114387** in the following tested applications.

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

应用	SDS-PAGE Western blot ELISA
形式	Liquid

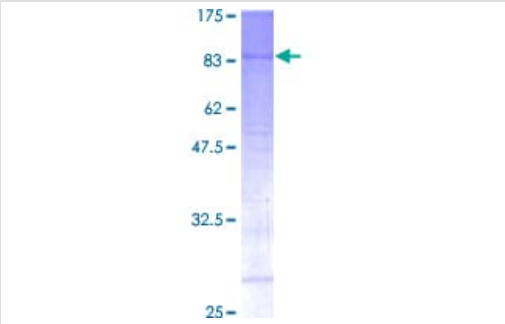
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能	Essential component of a MLL/SET1 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3 (H3K4). Functions as a transcriptional regulator. Binds to the TERT promoter and represses telomerase expression. Plays a role in TGFB1-mediated inhibition of cell-proliferation, possibly regulating SMAD3 transcriptional activity. Represses JUND-mediated transcriptional activation on AP1 sites, as well as that mediated by NFKB subunit RELA. Positively regulates HOXC8 and HOXC6 gene expression. May be involved in normal hematopoiesis through the activation of HOXA9 expression (By similarity). May be involved in DNA repair.
组织特异性	Ubiquitous.
疾病相关	Defects in MEN1 are the cause of familial multiple endocrine neoplasia type I (MEN1) [MIM:131100]. Autosomal dominant disorder characterized by tumors of the parathyroid glands, gastro-intestinal endocrine tissue, the anterior pituitary and other tissues. Cutaneous lesions and nervous-tissue tumors can exist. Prognosis in MEN1 patients is related to hormonal hypersecretion by tumors, such as hypergastrinemia causing severe peptic ulcer disease (Zollinger-Ellison syndrome, ZES), primary hyperparathyroidism, and acute forms of hyperinsulinemia. Defects in MEN1 are the cause of familial isolated hyperparathyroidism (FIHP) [MIM:145000]; also known as hyperparathyroidism type 1 (HRPT1). FIHP is an autosomal dominant disorder characterized by hypercalcemia, elevated parathyroid hormone (PTH) levels, and uniglandular or multiglandular parathyroid tumors.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus. Concentrated in nuclear body-like structures. Relocates to the nuclear matrix upon gamma irradiation.

图片



SDS-PAGE - Recombinant Menin protein (ab114387)

ab114387 analysed on a 12.5% SDS-PAGE Stained with Coomassie Blue.

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