

产品名称: MCM6 Rabbit Polyclonal Antibody
产品货号: APRab13725



产品概述 (Summary)

产品名称 (Production Name)	MCM6 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Mouse,Rat

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, 0.5% protective protein 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)	MCM6
别名 (Alternative Names)	MCM6; DNA replication licensing factor MCM6; p105MCM
基因 ID (Gene ID)	4175.0
蛋白 ID (SwissProt ID)	Q14566.The antiserum was produced against synthesized peptide derived from the Internal region of human MCM6. AA range:331-380

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	90kDa

研究背景 (Background)

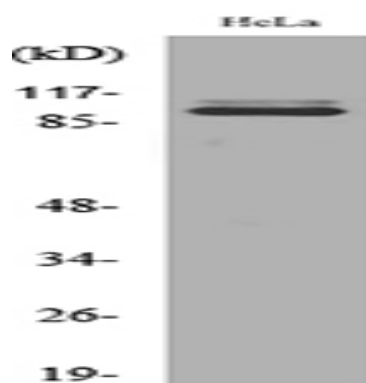
产品名称: MCM6 Rabbit Polyclonal Antibody
产品货号: AP Rab13725

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. Single nucleotide polymorphisms in the intron regions of this gene are associated with differential transcriptional activation of the promoter of the neighboring lactase gene and, thereby, ifunction:May be involved in the control of a single round of DNA replication during S phase. Binds to chromatin during G1 and detach from it during S phase as if it licenses the chromatin to replicate.,polymorphism:Intronic variations in MCM6 upstream from the LCT gene are associated with adult-type hypolactasia [MIM:223100] leading to lactose intolerance, or with lactase persistence. Lactose intolerance is a normal physiological phenomenon caused by developmental down-regulation of lactase activity during childhood or early adulthood. A non-coding variation in MCM6 affects the transcriptional regulation of the LCT gene resulting in down-regulation of lactase activity. However the majority of Northern Europeans and some African populations have the ability to maintain lactase activity and digest lactose throughout life (lactase persistence),.PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the MCM family.,similarity:Contains 1 MCM domain.,subunit:May interact with MCM10. Interacts with TIPIN.,

研究领域 (Research Area)

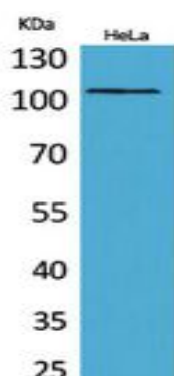
DNA replication;Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;

图片 (Image Data)



Western blot analysis of lysate from HeLa cells, using MCM6 Antibody.

产品名称: MCM6 Rabbit Polyclonal Antibody
产品货号: APRab13725



Western Blot analysis of HeLa cells using MCM6 Polyclonal Antibody .. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

注意事项 (Note)

For research use only .