

产品名称: USP16 Rabbit Polyclonal Antibody
产品货号: APRab19666



产品概述 (Summary)

产品名称 (Production Name)	USP16 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
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)	USP16 USP16; MSTP039; Ubiquitin carboxyl-terminal hydrolase 16; Deubiquitinating
别名 (Alternative Names)	enzyme 16; Ubiquitin thioesterase 16; Ubiquitin-processing protease UBP-M; Ubiquitin-specific-processing protease 16
基因 ID (Gene ID)	10600.0
蛋白 ID (SwissProt ID)	Q9Y5T5.Synthesized peptide derived from the Internal region of human USP16.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	93kDa

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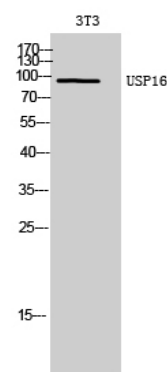
研究背景 (Background)

This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008], catalytic activity: Ubiquitin C-terminal thioester + H₂O = ubiquitin + a thiol., disease: A chromosomal aberration involving USP16 is a cause of Chronic myelomonocytic leukemia. Inversion inv(21) (q21;q22) with RUNX1/AML1., domain: The UBP-type zinc finger binds 3 zinc ions that form a pair of cross-braced ring fingers encapsulated within a third zinc finger in the primary structure. It recognizes the C-terminal tail of free ubiquitin., function: Specifically deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-10' of histone H3, and is required for chromosome segregation when cells enter into mitosis. Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B., PTM: Phosphorylated at the onset of mitosis and dephosphorylated during the metaphase/anaphase transition. The phosphorylated form of the protein is also enzymatically active., similarity: Belongs to the peptidase C19 family. USP16 subfamily., similarity: Contains 1 UBP-type zinc finger., subunit: Homotetramer., tissue specificity: Present in all the tissues examined including fetal brain, lung, liver, kidney, and adult heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,

研究领域 (Research Area)

Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Deubiquitination; Epigenetics and Nuclear Signaling; Ubiquitin & Ubiquitin Like Modifiers

图片 (Image Data)



Western Blot analysis of 3T3 cells using USP16 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .

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