

产品名称: USP16 Rabbit Polyclonal Antibody

产品货号: APRab19666

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,ELISA
种属反应(Reactivity)	Human,Mouse,Rat
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(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 (Purification)	Affinity purification

产品应用(Application)

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

抗原信息(Antigen Information)

基因名(Gene Name)	USP16
别名(Alternative Names)	USP16; MSTP039; Ubiquitin carboxyl-terminal hydrolase 16; Deubiquitinating enzyme 16; Ubiquitin thioesterase 16; Ubiquitin-processing protease UBP-M; Ubiquitin-specific-processing protease 16
基因 ID(Gene ID)	10600.0
SwissProt ID	Q9Y5T5
免疫原(Immunogen)	Synthesized peptide derived from the Internal region of human USP16.

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.,

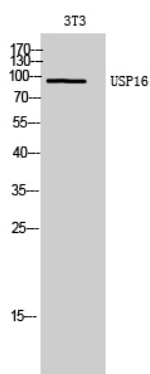
研究领域 (Research Area)

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

注意事项 (Note)

For research use only.

图片 (Image Data)



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

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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