

产品名称: Otubain-1 Rabbit Polyclonal Antibody
产品货号: AP Rab15536



产品概述 (Summary)

产品名称 (Production Name)	Otubain-1 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)	OTUB1 OTUB1; OTB1; OTU1; HSPC263; Ubiquitin thioesterase OTUB1; Deubiquitinating enzyme OTUB1; OTU domain-containing ubiquitin aldehyde-binding protein 1; Otubain-1; hOTU1; Ubiquitin-specific-processing protease OTUB1
别名 (Alternative Names)	
基因 ID (Gene ID)	55611.0
蛋白 ID (SwissProt ID)	Q96FW1.Synthesized peptide derived from Otubain-1 . at AA range: 20-100

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)	31kDa

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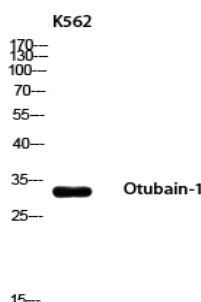
研究背景 (Background)

OTU deubiquitinase, ubiquitin aldehyde binding 1(OTUB1) Homo sapiens The product of this gene is a member of the OTU (ovarian tumor) superfamily of predicted cysteine proteases. The encoded protein is a highly specific ubiquitin isopeptidase, and cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. It interacts with another ubiquitin protease and an E3 ubiquitin ligase that inhibits cytokine gene transcription in the immune system. It is proposed to function in specific ubiquitin-dependent pathways, possibly by providing an editing function for polyubiquitin chain growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008],function:Hydrolase that can remove conjugated ubiquitin from proteins in vitro and may therefore play an important regulatory role at the level of protein turnover by preventing degradation. Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallange and no longer respond to their cognate antigen. Acts via its interaction with RNF128/GRAIL, a crucial inductor of CD4 T-cell anergy. Isoform 1 destabilizes RNF128, leading to prevent anergy. In contrast, isoform 2 stabilizes RNF128 and promotes anergy. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128.,similarity:Belongs to the peptidase C65 family.,similarity:Contains 1 OTU domain.,subunit:Isoform 1 and isoform 2 interact with RNF128. Isoform 1 forms a ternary complex with RNF128 and USP8. Isoform 1 interacts with the C-terminal UCH catalytic domain of USP8. Isoform 2 does not associate with USP8.,tissue specificity:Isoform 1 is ubiquitous. Isoform 2 is expressed only in lymphoid tissues such as tonsils, lymph nodes and spleen, as well as peripheral blood mononuclear cells.,

研究领域 (Research Area)

Cell Biology; Proteolysis / Ubiquitin; Proteolytic enzymes; Other proteases; Epigenetics and Nuclear Signaling; Ubiquitin & Ubiquitin Like Modifiers; Deubiquitination; DNA / RNA; DNA Damage & Repair; Homologous Recomb

图片 (Image Data)



Western blot analysis of K562 using Otubain-1 antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .

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