

产品名称: Rad18 Rabbit Polyclonal Antibody
产品货号: APRab16831



产品概述 (Summary)

产品名称 (Production Name)	Rad18 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,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)	RAD18
别名 (Alternative Names)	RAD18; RNF73; E3 ubiquitin-protein ligase RAD18; Postreplication repair protein RAD18; hHR18; hRAD18; RING finger protein 73
基因 ID (Gene ID)	56852.0
蛋白 ID (SwissProt ID)	Q9NS91.The antiserum was produced against synthesized peptide derived from human RAD18. AA range:301-350

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)	56kDa

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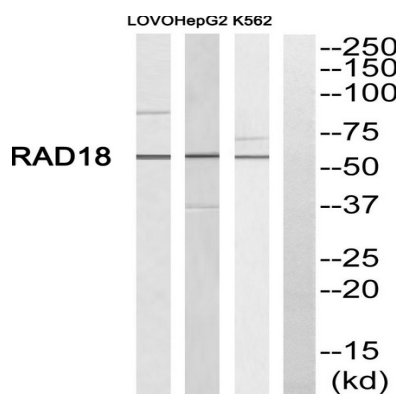
研究背景 (Background)

The protein encoded by this gene is highly similar to *S. cerevisiae* DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens. [provided by RefSeq, Jul 2008],function:E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the RAD18 family.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SAP domain.,subunit:Interacts with UBE2A and UBE2B. Interacts with SHPRH.,

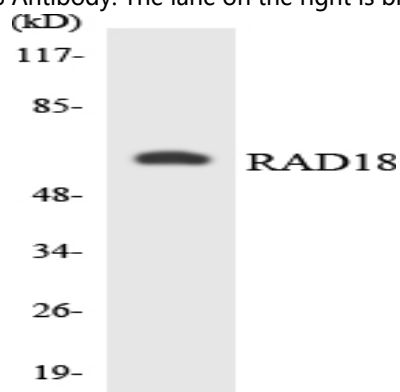
研究领域 (Research Area)

Epigenetics and Nuclear Signaling; DNA / RNA; DNA Synthesis; Translesion Synthesis; Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Ubiquitin E3 Enzymes; RING Finger E3 Ligase

图片 (Image Data)

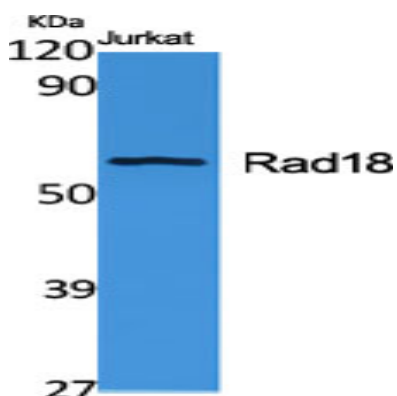


Western blot analysis of RAD18 Antibody. The lane on the right is blocked with the RAD18 peptide.

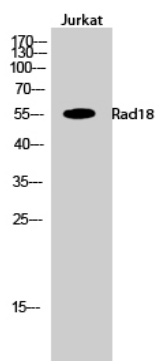


Western blot analysis of the lysates from COLO205 cells using RAD18 antibody.

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Western Blot analysis of various cells using Rad18 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .



Western Blot analysis of Jurkat cells using Rad18 Polyclonal Antibody 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 .