

产品名称: SMG7 Rabbit Polyclonal Antibody
产品货号: APRab18020



产品概述 (Summary)

产品名称 (Production Name)	SMG7 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

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)	SMG7
别名 (Alternative Names)	SMG7; C1orf16; EST1C; KIAA0250; Protein SMG7; EST1-like protein C; SMG-7 homolog; hSMG-7
基因 ID (Gene ID)	9887.0
蛋白 ID (SwissProt ID)	Q92540.The antiserum was produced against synthesized peptide derived from human SMG7. AA range:521-570

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	127kDa

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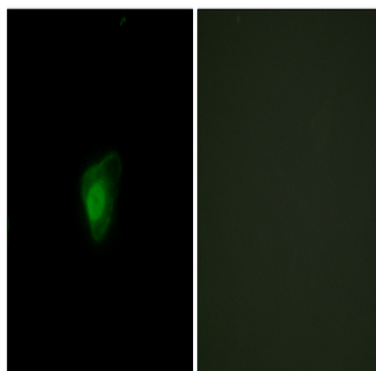
研究背景 (Background)

SMG7, nonsense mediated mRNA decay factor(SMG7) Homo sapiens This gene encodes a protein that is essential for nonsense-mediated mRNA decay (NMD); a process whereby transcripts with premature termination codons are targeted for rapid degradation by a mRNA decay complex. The mRNA decay complex consists, in part, of this protein along with proteins SMG5 and UPF1. The N-terminal domain of this protein is thought to mediate its association with SMG5 or UPF1 while the C-terminal domain interacts with the mRNA decay complex. This protein may therefore couple changes in UPF1 phosphorylation state to the degradation of NMD-candidate transcripts. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Aug 2011],function:Plays a role in nonsense-mediated mRNA decay. Recruits RENT1 to cytoplasmic mRNA decay bodies.,similarity:Contains 2 TPR repeats.,subcellular location:Predominantly cytoplasmic, and nuclear. Shuttles between nucleus and cytoplasm.,subunit:Part of a complex that contains SMG5, SMG7, PP2AC, a short isoform of UPF3A (isoform UPF3AS, but not isoform UPF3AL) and phosphorylated RENT1.,

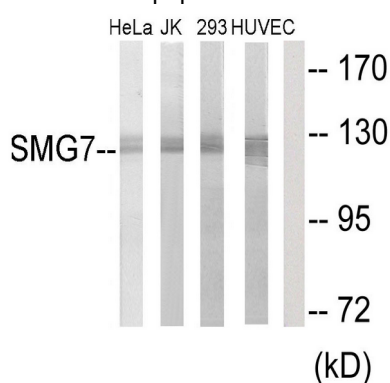
研究领域 (Research Area)

Epigenetics and Nuclear Signaling; DNA / RNA; RNA Processing

图片 (Image Data)



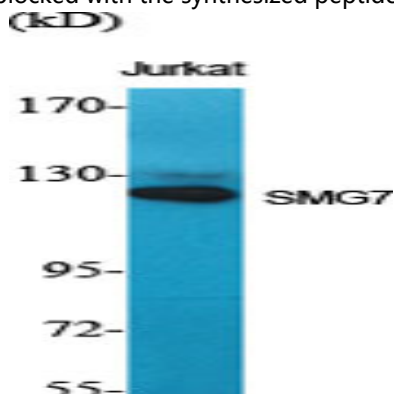
Immunofluorescence analysis of HepG2 cells, using SMG7 Antibody. The picture on the right is blocked with the synthesized peptide.



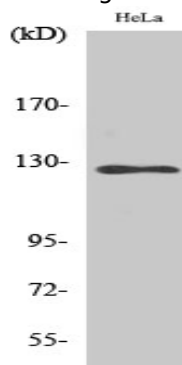
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Western blot analysis of lysates from HeLa, Jurkat, 293, and HUVEC cells, using SMG7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using SMG7 Polyclonal Antibody diluted at 1: 2000



Western Blot analysis of HuvEc cells using SMG7 Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .