

产品名称: CRM1 (Acetyl Lys568) Rabbit Polyclonal Antibody
产品货号: APRab06179



产品概述 (Summary)

产品名称 (Production Name)	CRM1 (Acetyl Lys568) 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)	Acetylated
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)	XPO1
别名 (Alternative Names)	XPO1; CRM1; Exportin-1; Exp1; Chromosome region maintenance 1 protein homolog
基因 ID (Gene ID)	7514.0
蛋白 ID (SwissProt ID)	O14980.Synthesized acetyl-peptide derived from the Internal region of human CRM1 around the acetylation site of K568.

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)	125kDa

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研究背景 (Background)

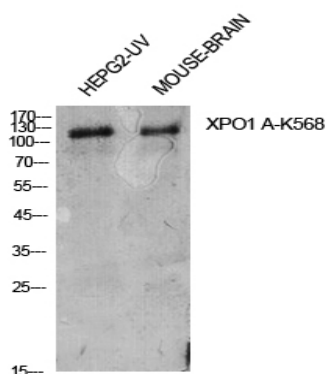
This cell-cycle-regulated gene encodes a protein that mediates leucine-rich nuclear export signal (NES)-dependent protein transport. The protein specifically inhibits the nuclear export of Rev and U snRNAs. It is involved in the control of several cellular processes by controlling the localization of cyclin B, MPAK, and MAPKAP kinase 2. This protein also regulates NFAT and AP-1. [provided by RefSeq, Jan 2015],function:Mediates the nuclear export of cellular proteins (cargos) bearing a leucine-rich nuclear export signal (NES) and of RNAs. In the nucleus, in association with RANBP3, binds cooperatively to the NES on its target protein and to the GTPase RAN in its active GTP-bound form (Ran-GTP). Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of an nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Involved in U3 snoRNA transport from Cajal bodies to nucleoli. Binds to late precursor U3 snoRNA bearing a TMG cap. Several viruses, among them HIV-1, HTLV-1 and influenza A use it to export their unspliced or incompletely spliced RNAs out of the nucleus. Interacts with, and mediates the nuclear export of HIV-1 Rev and HTLV-1 Rex proteins. Involved in HTLV-1 Rex multimerization.,miscellaneous:Cellular target of leptomycin B (LMB), a XPO1/CRM1 nuclear export inhibitor.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the exportin family.,similarity:Contains 1 importin N-terminal domain.,similarity:Contains 10 HEAT repeats.,subcellular location:Located in the nucleoplasm, Cajal bodies and nucleoli. Shuttles between the nucleus/nucleolus and the cytoplasm.,subunit:Found in a U snRNA export complex with RNUXA/PHAX, NCBP1, NCBP2, RAN, XPO1 and m7G-capped RNA (By similarity). Component of a nuclear export receptor complex composed of KPNB1, RAN, SNUPN and XPO1. Found in a trimeric export complex with SNUPN, RAN and XPO1. Found in a nuclear export complex with RANBP3 and RAN. Found in a 60S ribosomal subunit export complex with NMD3, RAN, XPO1. Interacts with DDX3X, NMD3, NUPL2, NUP88, NUP214 and RANBP3. Also found in complex with several viral proteins involved in RNAs' nuclear export like HIV-1 Rev and HTLV-1 Rex. Interacts presumably with influenza A nucleoprotein. Interacts with Epstein-Barr virus BMLF1.,tissue specificity:Expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. Not expressed in the kidney.,

研究领域 (Research Area)

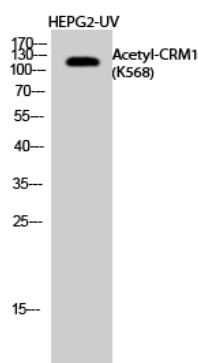
Signal Transduction

图片 (Image Data)

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Western Blot analysis of HepG2-UV, mouse brain cells using Acetyl-CRM1 (K568) Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Western Blot analysis of HEPG2-UV cells using Acetyl-CRM1 (K568) Polyclonal Antibody diluted at 1: 500. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .