

产品名称: NF90 Rabbit Polyclonal Antibody
产品货号: AP Rab14634



产品概述 (Summary)

产品名称 (Production Name)	NF90 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)	ILF3 ILF3; DRBF; MPHOSPH4; NF90; Interleukin enhancer-binding factor 3; Double-stranded RNA-binding protein 76; DRBP76; M-phase phosphoprotein 4; MPP4;Nuclear factor associated with dsRNA; NFAR; Nuclear factor of activated T-cells 90 kDa; NF-AT-90; Translational control protein 80; TCP80
别名 (Alternative Names)	
基因 ID (Gene ID)	3609.0
蛋白 ID (SwissProt ID)	Q12906.The antiserum was produced against synthesized peptide derived from human NF90. AA range:302-351

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 95kDa

研究背景 (Background)

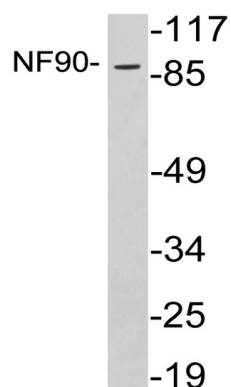
This gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein (NF90, ILF3) forms a heterodimer with a 45 kDa transcription factor (NF45, ILF2) required for T-cell expression of interleukin 2. This complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of this gene that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2014],function:May facilitate double-stranded RNA-regulated gene expression at the level of post-transcription. Can act as a translation inhibitory protein which binds to coding sequences of acid beta-glucosidase (GCase) and other mRNAs and functions at the initiation phase of GCase mRNA translation, probably by inhibiting its binding to polysomes. Can regulate protein arginine N-methyltransferase 1 activity. May regulate transcription of the IL2 gene during T-cell activation. Can promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA.,PTM:Arg-609 is dimethylated, probably to asymmetric dimethylarginine.,PTM:Methylated by protein arginine N-methyltransferase 1.,PTM:Phosphorylated by RNA-dependent protein kinase (EIF2AK2),sequence caution:Contaminating sequence. Potential poly-A sequence.,sequence caution:Sequencing errors.,similarity:Contains 1 DZF domain.,similarity:Contains 2 DRBM (double-stranded RNA-binding) domains.,subunit:Interacts with FUS and SMN proteins and with PRMT1. Forms a complex with ILF2. Can also bind to PRKDC/XRCC7: this may stabilize the interaction of PRKDC/XRCC7 and the heterodimeric complex of G22P1/KU70 and XRCC5/KU80. Forms a heteromeric complex with ZNF346 and ILF3. Found in a nuclear export complex with XPO5, ILF3, Ran and double-stranded RNA or double-stranded minihelix VA1 RNA. Found in a nuclear export complex with XPO5, RAN, ILF3, ZNF346 and double-stranded RNA. Interacts with XPO5 and ZNF346.,tissue specificity:Ubiquitous.,

研究领域 (Research Area)

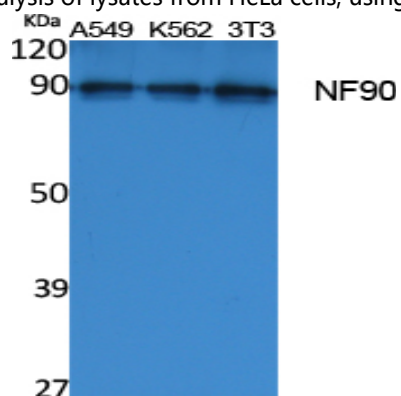
Signal Transduction

图片 (Image Data)

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Western blot analysis of lysates from HeLa cells, using NF90 antibody.



Western Blot analysis of extracts from A549, K562, NIH-3T3 cells, using NF90 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .