

产品名称: DDX21 Rabbit Monoclonal Antibody
产品货号: AMRe85498



产品概述 (Summary)

产品名称 (Production Name)	DDX21 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DDX21
别名 (Alternative Names)	GUA; GURDB; RH-II/GU; RH-II/GuA
基因 ID (Gene ID)	9188.0
蛋白 ID (SwissProt ID)	Q9NR30.A synthetic peptide of human DDX21

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000, ICC 1:50-1:200
蛋白分子量 (Molecular Weight)	Calculated MW: 87 kDa; Observed MW: 87 kDa

研究背景 (Background)

RNA helicase that acts as a sensor of the transcriptional status of both RNA polymerase (Pol) I and II: promotes ribosomal

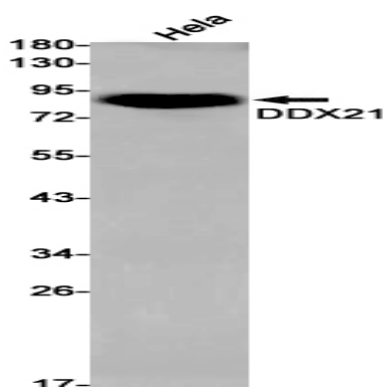
产品名称: DDX21 Rabbit Monoclonal Antibody
产品货号: AMRe85498



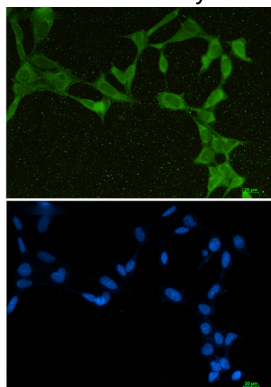
RNA (rRNA) processing and transcription from polymerase II (Pol II) (PubMed:25470060). Binds various RNAs, such as rRNAs, snoRNAs, 7SK and, at lower extent, mRNAs (PubMed:25470060). In the nucleolus, localizes to rDNA locus, where it directly binds rRNAs and snoRNAs, and promotes rRNA transcription, processing and modification. Required for rRNA 2'-O-methylation, possibly by promoting the recruitment of late-acting snoRNAs SNORD56 and SNORD58 with pre-ribosomal complexes (PubMed:25470060, PubMed:25477391). In the nucleoplasm, binds 7SK RNA and is recruited to the promoters of Pol II-transcribed genes: acts by facilitating the release of P-TEFb from inhibitory 7SK snRNP in a manner that is dependent on its helicase activity, thereby promoting transcription of its target genes (PubMed:25470060). Functions as cofactor for JUN-activated transcription: required for phosphorylation of JUN at 'Ser-77' (PubMed:11823437, PubMed:25260534). Can unwind double-stranded RNA (helicase) and can fold or introduce a secondary structure to a single-stranded RNA (foldase) (PubMed:9461305). Involved in rRNA processing (PubMed:14559904, PubMed:18180292). May bind to specific miRNA hairpins (PubMed:28431233).

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of DDX21 in HeLa lysates using DDX21 antibody.



Immunocytochemistry analysis of DDX21 (green) in 293T using DDX21 antibody, and DAPI (blue).

产品名称: DDX21 Rabbit Monoclonal Antibody
产品货号: AMRe85498



注意事项 (Note)

For research use only .