

ERI1 Polyclonal Antibody

Cat No: HR1AP9050

For research use only

Overview

Product Name	ERI1 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	37kDa
GeneID?Human?	ERI1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	ERI1; 3'EXO; THEX1; 3'-5' exoribonuclease 1; 3'-5' exonuclease ERI1; Eri-1 homolog; Histone mRNA 3'-end-specific exoribonuclease; Histone mRNA 3'-exonuclease 1; Protein 3'hExo; HEXO
Background	cofactor: Binds 2 magnesium ions per subunit.,enzyme regulation: Although it can bind simultaneously with SLBP to the 3'-end of histone mRNA, the presence of SLBP prevents the exonuclease activity.,function: RNA exonuclease that binds to the 3'-end of histone mRNAs and probably degrades them, suggesting that it plays an essential role in histone mRNA decay after replication. Also able to degrade the 3'-overhangs of short interfering RNAs (siRNAs) in vitro, suggesting a possible role as regulator of RNA interference (RNAi). Required for 5.8S rRNA 3'-end processing.,sequence caution: Translated as Leu.,similarity: Contains 1 exonuclease domain.,similarity: Contains 1 SAP domain.,subunit: Binds with high affinity to the stem-loop structure of replication-dependent histone pre-mRNAs. Requires the 5'-ACCCA-3' sequence present in stem-loop structure. Able to bind other mRNAs. Binds to 40S and 60S ribosomal subunits and to 80S assembled ribosomes. Also binds to 5.8s ribosomal RNA.,