



ERI1 Monoclonal Antibody

Catalog No	BYmab-01703
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ERI1
Protein Name	3'-5' exoribonuclease 1
Immunogen	The antiserum was produced against synthesized peptide derived from human ERI1. AA range:261-310
Specificity	ERI1 Monoclonal Antibody detects endogenous levels of ERI1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	37kD
Cell Pathway	Cytoplasm . Nucleus . Nucleus, nucleolus .
Tissue Specificity	Testis,
Function	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

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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.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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