

ERI1 Rabbit pAb

CatalogNo: YT1621

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 37kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:5000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human ERI1. AA range: 261-310

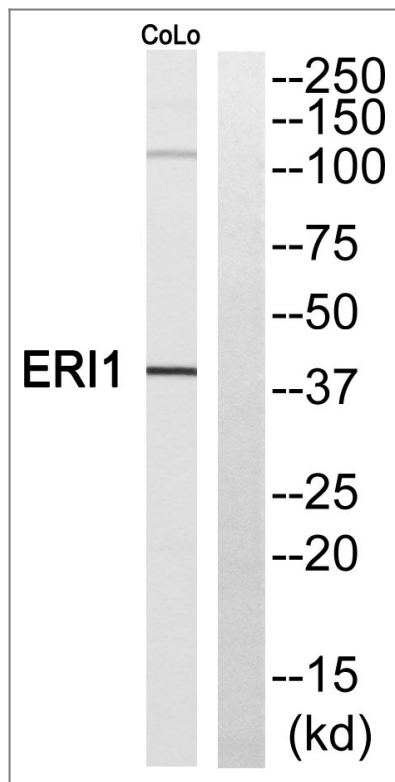
Specificity

ERI1 Polyclonal Antibody detects endogenous levels of ERI1 protein.

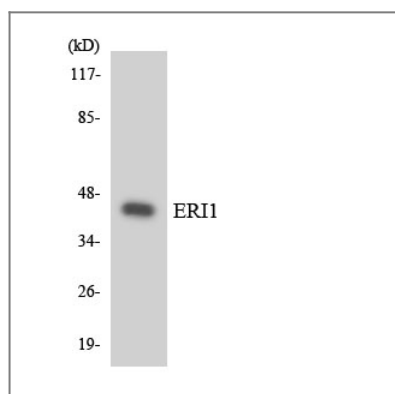
Target Information

Gene name	ERI1		
Protein Name	3'-5' exoribonuclease 1		
	Organism	Gene ID	UniProt ID
	Human	90459 ;	Q8IV48 ;
	Mouse	67276 ;	Q7TMF2 ;
	Rat	361159 ;	Q5FVR4 ;
Cellular Localization	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 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.,		

| Validation Data



Western blot analysis of ERI1 Antibody. The lane on the right is blocked with the ERI1 peptide.



Western blot analysis of the lysates from HUVEC cells using ERI1 antibody.

Contact information

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