

Anti-ERI1/Hexo Antibody

Catalog Number: A07945

About ERI1

RNA exonuclease that binds to the 3'-end of histone mRNAs and degrades them, suggesting that it plays an essential role in histone mRNA decay after replication. A 2' and 3'-hydroxyl groups at the last nucleotide of the histone 3'-end is required for efficient degradation of RNA substrates. Also able to degrade the 3'-overhangs of short interfering RNAs (siRNAs) in vitro, suggesting a possible role as regulator of RNA interference (RNAi). Requires for binding the 5'-ACCCA-3' sequence present in stem-loop structure. Able to bind other mRNAs. Required for 5.8S rRNA 3'-end processing. Also binds to 5.8s ribosomal RNA. Binds with high affinity to the stem-loop structure of replication-dependent histone pre-mRNAs.

Dominski Z., Mol. Cell 12:295-305(2003).

Ota T., Nat. Genet. 36:40-45(2004).

Bechtel S., BMC Genomics 8:399-399(2007)

Overview

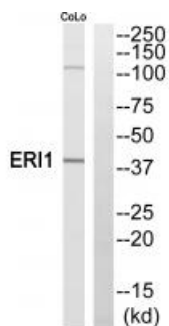
Product Name	Anti-ERI1/Hexo Antibody
Reactive Species	Human
Description	Boster Bio Anti-ERI1/Hexo Antibody (Catalog # A07945). Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8IV48

Technical Details

Immunogen	Synthesized peptide derived from internal of human ERI1.
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Western blotting: 1:500~1:3000

Anti-ERI1/Hexo Antibody (A07945) Images



Western blot analysis of extracts from COLO205 cells, using ERI1 antibody A07945.

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