

Rabbit ERI1 Polyclonal Antibody | anti-ERI1 antibody

ERI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325420	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

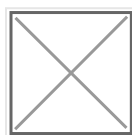
PRODUCT SYNONYMS

ERI1; Polyclonal Antibody; ERI1 Antibody; 3' 5' exonuclease ERI 1; 3' 5' exonuclease ERI1; 3' EXO; 3' exoribonuclease; 3' HEXO; 3' histone mRNA exonuclease 1; 3"-5" exonuclease eri1; 3"-5" exoribonuclease 1; 3'EXO; 3'HEXO; ERI 1; Eri 1 homolog; Eri-1 homolog; eri1; Eri1 homolog; ERI1_HUMAN; HEXO; Histone mRNA 3' end specific exonuclease; Histone mRNA 3' end specific exoribonuclease; Histone mRNA 3"-end-specific exoribonuclease; Histone mRNA 3"-exonuclease 1; MGC35395; Protein 3"hExo; THEX 1; THEX1; Three prime histone mRNA exonuclease 1; anti-ERI1 antibody

PRODUCT SPECIFICATIONS

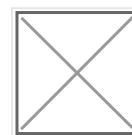
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ERI1 antibody detects endogenous levels of total ERI1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	349
Applicable Applications for anti-ERI1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Nucleus > Nucleolus.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (89%), Zebrafish (100%), Horse (89%), Sheep (89%), Rabbit (89%), Dog (89%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

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



IF (Immunofluorescence)

AAA325420 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ERI1 antibody	<p>Function: 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.</p> <p>Subunit Structure: Identified in a histone pre-mRNA complex, at least composed of ERI1, LSM11, SLBP, SNRPB, SYNCRIP and YBX1. Interacts in a cooperative manner with SLBP to the mature 3'-end of histone mRNAs (By similarity). Binds to 40S and 60S ribosomal subunits and to 80S assembled ribosomes. Found in a ternary complex with SLBP and the stem-loop structure of the 3'-end of histone mRNAs.</p> <p>Similarity: The SAP domain is necessary for binding to the stem-loop structure of histone mRNAs and to form the ternary complex with SLBP, but not for 3'-end histone mRNA exonuclease activity.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543184
NCBI GeneID	90459
NCBI Accession #	NP_699163.2
NCBI GenBank Nucleotide #	NM_153332.3
UniProt Accession #	Q8IV48; Q9NSX3; A8K4U7
Molecular Weight	Observed: 40 kD Predicted: 41 kDa
NCBI Official Full Name	3'-5' exoribonuclease 1 isoform 1
NCBI Official Synonym Full Names	exoribonuclease 1
NCBI Official Symbol	ERI1
NCBI Official Synonym Symbols	HEXO; THEX1; 3'HEXO
NCBI Protein Information	3'-5' exoribonuclease 1
UniProt Protein Name	3'-5' exoribonuclease 1
UniProt Gene Name	ERI1
UniProt Synonym Gene Names	3'EXO; THEX1; HEXO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eri1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325420>