

Datasheet for ABIN2776656
anti-ERI1 antibody (N-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ERI1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERI1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ERI1
Sequence:	SKFITSSASD FSDPVYKEIA ITNGCINRMS KEELRAKLSE FKLETRGVKD
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 85%, Pig: 93%, Rabbit: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against THEX1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity purified

Target Details

Target:	ERI1
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Target Details

Alternative Name: THEX1 ([ERI1 Products](#))

Background: 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.

Alias Symbols: HEXO, THEX1, 3'HEXO

Protein Interaction Partner: UBC, HNRNPD, HHV8GK18_gp81, SLBP,

Protein Size: 38

Molecular Weight: 349 kDa

Gene ID: 90459

NCBI Accession: [NM_153332](#), [NP_699163](#)

UniProt: [Q8IV48](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 349 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

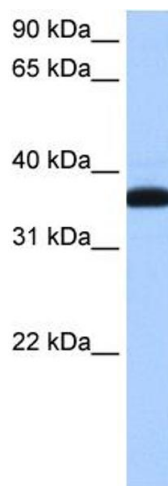
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Kupsco, Wu, Marzluff, Thapar, Duronio: "Genetic and biochemical characterization of *Drosophila* Snipper: A promiscuous member of the metazoan 3'hExo/ERI-1 family of 3' to 5' exonucleases." in: **RNA (New York, N.Y.)**, Vol. 12, Issue 12, pp. 2103-17, (2006) ([PubMed](#)).

Images

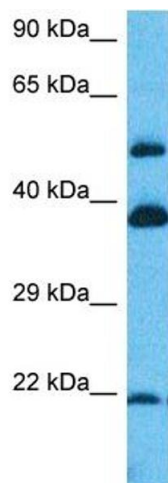


Western Blotting

Image 1. WB Suggested Anti-THEX1 Antibody Titration:

0.2-1 ug/ml

Positive Control: MCF7 cell lysate



Western Blotting

Image 2. Host: Rabbit **Target Name:** ERI1 **Sample Tissue:**

Human Lung Tumor lysates **Antibody Dilution:** 1ug/ml