



Datasheet for ABIN1944959

anti-ERI1 antibody



[Go to Product page](#)

1 Image

2 Publications

Overview

Quantity:	100 µg
Target:	ERI1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERI1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype: IgG

Target Details

Target: ERI1

Alternative Name: ERI1 ([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.

Target Details

Molecular Weight: 40064 Da

Gene ID: 90459

UniProt: [Q8IV48](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

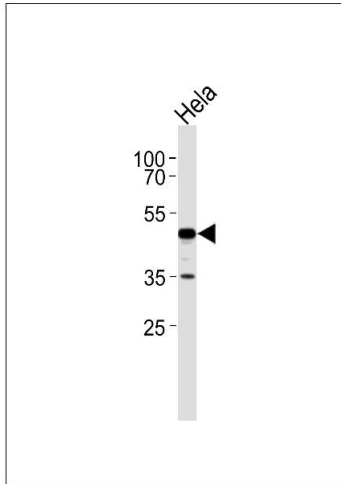
Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C, -20 °C

Publications

Product cited in: Yang, Purdy, Marzluff, Dominski: "Characterization of 3'hExo, a 3' exonuclease specifically interacting with the 3' end of histone mRNA." in: **The Journal of biological chemistry**, Vol. 281, Issue 41, pp. 30447-54, (2006) ([PubMed](#)).

Kennedy, Wang, Ruvkun: "A conserved siRNA-degrading RNase negatively regulates RNA interference in *C. elegans*." in: **Nature**, Vol. 427, Issue 6975, pp. 645-9, (2004) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of lysate from HeLa cell line, using ERI1 Antibody (ABIN1452117 and ABIN1452119). ABIN1452117 and ABIN1452119 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.