

Datasheet for ABIN7142343
anti-ERI1 antibody (AA 2-66)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	ERI1
Binding Specificity:	AA 2-66
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human 3'\\'-5'\\' exoribonuclease 1 protein (2-66AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	ERI1
Alternative Name:	ERI1 (ERI1 Products)
Background:	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'\\'

Target Details

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.

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

UniProt: [Q8IV48](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

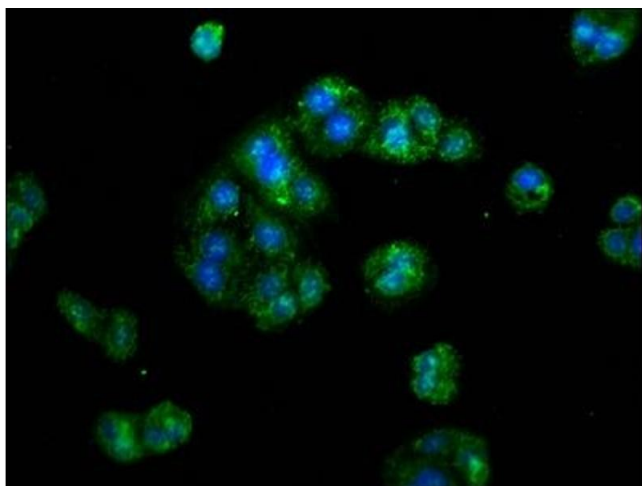
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

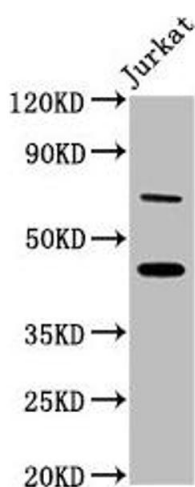
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



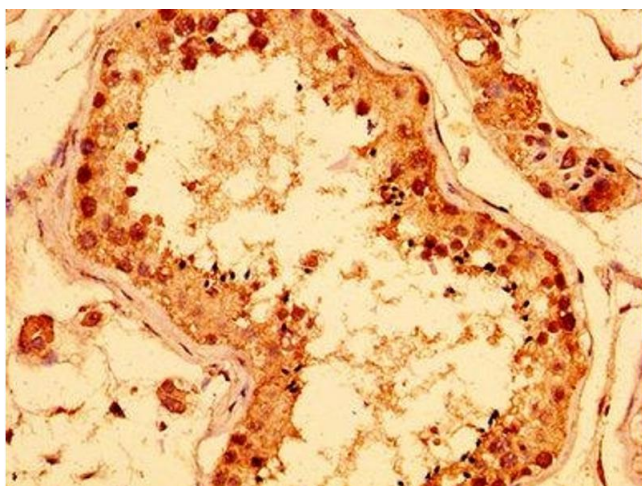
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7142343 at 1:133, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate All lanes: ERI1 antibody at 7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 41 kDa Observed band size: 46 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7142343 diluted at 1:400 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7142343.