

Rabbit anti-Human, Rat ERI1 Polyclonal Antibody | anti-ERI1 antibody

ERI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234218	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ERI1; Polyclonal Antibody; ERI1 Antibody; 3'-5' exoribonuclease 1; 3'-5' exonuclease ERI1; Eri-1 homolog; Histone mRNA 3'-end-specific exoribonuclease; Histone mRNA 3'-exonuclease 1; Protein 3'hExo; HEXO; 3'EXO; THEX1; anti-ERI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	349
Applicable Applications for anti-ERI1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human 3'-5' exoribonuclease 1 protein (2-66AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234218 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234218 diluted at 1:400 and staining in paraffin-embedded human small intestine 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234218 diluted at 1:400 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: Jurkat whole cell lysate All lanes: ERI1 antibody at 7ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 41 KDa Observed band size: 46 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-ERI1 antibody	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.
Product Categories/Family for anti-ERI1 antibody	Epigenetics and Nuclear Signaling

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	40,064 Da
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-immunofluorescence-immunohistochemistry-western-blot-elisa/234218>