10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

ERN2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7128b

Specification

ERN2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q76MJ5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**781-810**

ERN2 Antibody (C-term) - Additional Information

Gene ID 10595

Other Names
Serine/threonine-protein kinase/endoribonuclease IRE2, Endoplasmic reticulum-to-nucleus signaling 2, Inositol-requiring protein 2, hIRE2p, Ire1-beta, IRE1b, Serine/threonine-protein kinase, Endoribonuclease, 3126-, ERN2 (HGNC:16942)

Target/Specificity
This ERN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 781-810 amino acids from the C-terminal region of human ERN2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ERN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ERN2 Antibody (C-term) - Protein Information

Name ERN2 (HGNC:16942)

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Function Induces translational repression through 28S ribosomal RNA cleavage in response to ER stress. Pro-apoptotic. Appears to play no role in the unfolded-protein response, unlike closely related proteins.

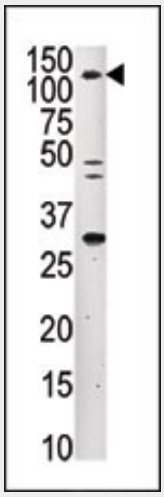
Cellular Location
Endoplasmic reticulum membrane; Single-pass type I membrane protein

ERN2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ERN2 Antibody (C-term) - Images



The anti-ERN2 Pab (Cat. #AP7128b) is used in Western blot to detect ERN2 in mouse liver tissue lysate

ERN2 Antibody (C-term) - Background

ERN2 induces translational repression through 28S ribosomal RNA cleavage in response to endoplasmic reticulum (ER) stress. This pro-apoptotic appears to play no role in the unfolded-protein response, unlike closely related proteins. Overexpression of ERN2 activates both BiP and CHOP expression, and also leads to the development of programmed cell death. It has been suggested that Ern2 plays a role in multiple facets of the ER stress response in mammalian cells.

ERN2 Antibody (C-term) - References

Iwawaki, T., et al., Nat. Cell Biol. 3(2):158-164 (2001).
Wang, X.Z., et al., EMBO J. 17(19):5708-5717 (1998).