

Rabbit anti-Human ERN2 Polyclonal Antibody | anti-ERN2 antibody

ERN2 Antibody (N-term)

CATALOG # AAA28749	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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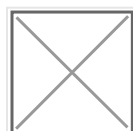
PRODUCT SYNONYMS

ERN2; Polyclonal Antibody; ERN2 Antibody (N-term); 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; anti-ERN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This ERN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-72 amino acids from the N-terminal region of human ERN2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	39-72
Sequence Length	974
Applicable Applications for anti-ERN2 antibody	WB (Western Blot), ELISA
Application Notes	WB~~1:1000
Function	Induces translational repression through 28S ribosomal RNA cleavage in response to ERstress. 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.
Preparation and 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.

IMAGES



WB (Western Blot)

Western blot analysis of lysate from HT-29 cell line, using ERN2 Antibody (N-term). AAA28749 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-ERN2 antibody	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.
Product Categories/Family for anti-ERN2 antibody	Cell Biology; Signal transduction
References	Iwawaki, T., et al., Nat. Cell Biol. 3(2):158-164 (2001). Niwa, M., et al., Cell 99(7):691-702 (1999). Wang, X.Z., et al., EMBO J. 17(19):5708-5717 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	145312265
NCBI GeneID	10595
NCBI Accession #	NP_150296.3
NCBI GenBank Nucleotide #	NM_033266.3
UniProt Accession #	Q76MJ5; Q6ZNC0
NCBI Official Full Name	serine/threonine-protein kinase/endoribonuclease IRE2
NCBI Official Synonym Full Names	endoplasmic reticulum to nucleus signaling 2
NCBI Official Symbol	ERN2
NCBI Official Synonym Symbols	IRE1b; IRE2p; hIRE2p; IRE1-BETA
NCBI Protein Information	serine/threonine-protein kinase/endoribonuclease IRE2
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE2
UniProt Gene Name	ERN2
UniProt Synonym Gene Names	hIRE2p; IRE1b
UniProt Entry Name	ERN2_HUMAN

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.