

Datasheet for ABIN7169241  
**anti-ERN1 antibody (AA 493-561) (HRP)**



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## Overview

Quantity:	100 µg
Target:	ERN1
Binding Specificity:	AA 493-561
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERN1 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase/endoribonuclease IRE1 protein (493-561AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ERN1
Alternative Name:	ERN1 ( <a href="#">ERN1 Products</a> )
Background:	Background: Senses unfolded proteins in the lumen of the endoplasmic reticulum via its N-

## Target Details

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terminal domain which leads to enzyme auto-activation. The active endoribonuclease domain splices XBP1 mRNA to generate a new C-terminus, converting it into a potent unfolded-protein response transcriptional activator and triggering growth arrest and apoptosis.

Aliases: Endoplasmic reticulum (ER) to nucleus signalling 1 antibody, Endoplasmic reticulum to nucleus signaling 1 antibody, Endoplasmic reticulum-to-nucleus signaling 1 antibody, Endoribonuclease antibody, ER to nucleus signaling 1 antibody, ERN 1 antibody, Ern1 antibody, ERN1\_HUMAN antibody, hIRE 1p antibody, hIRE1p antibody, Inositol requiring 1 antibody, Inositol requiring 1, S. cerevisiae, homolog of antibody, Inositol requiring enzyme 1, S. cerevisiae, homolog of antibody, Inositol requiring protein 1 antibody, inositol-requiring enzyme 1 antibody, Inositol-requiring protein 1 antibody, IRE 1 antibody, IRE 1a antibody, IRE 1P antibody, Ire1 alpha antibody, Ire1-alpha antibody, IRE1a antibody, Ire1alpha antibody, IRE1P antibody, MGC163277 antibody, MGC163279 antibody, Protein kinase/endoribonuclease antibody, RGD1559716 antibody, Serine/threonine protein kinase/endoribonuclease IRE1 antibody

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UniProt: [O75460](#)

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Pathways: [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: ProClin

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

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Storage: -20 °C,-80 °C

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