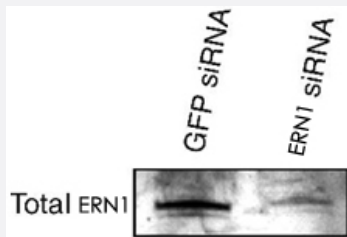


ERN1 polyclonal antibody

Catalog # PAB12433 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of ERN1 alpha in transfected min6 cells using ERN1 polyclonal antibody (Cat # PAB12433).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ERN1.
Immunogen	A synthetic peptide corresponding to amino acids 700-800 of human ERN1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of ERN1 alpha in transfected min6 cells using ERN1 polyclonal antibody (Cat # PAB12433).

Gene Info — ERN1

Entrez GeneID	2081
Protein Accession#	O75460
Gene Name	ERN1
Gene Alias	FLJ30999, IRE1, IRE1P, MGC163277, MGC163279
Gene Description	endoplasmic reticulum to nucleus signaling 1
Omim ID	604033
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the ER to nucleus signalling 1 protein, a human homologue of the yeast Ire1 gene product. This protein possesses intrinsic kinase activity and an endoribonuclease activity and it is important in altering gene expression as a response to endoplasmic reticulum-based stress signals. [provided by RefSeq]
Other Designations	ER to nucleus signalling 1 endoplasmic reticulum to nucleus signalling 1 inositol-requiring 1 protein kinase/endoribonuclease

Publication Reference

- [AIP1 is critical in transducing IRE1-mediated endoplasmic reticulum stress response.](#)

Luo D, He Y, Zhang H, Yu L, Chen H, Xu Z, Tang S, Urano F, Min W.

The Journal of Biological Chemistry 2008 May; 283(18):11905.

Application: WB-Ce, Human, HUVECs

- [Regulation of insulin biosynthesis in pancreatic beta cells by an endoplasmic reticulum-resident protein kinase IRE1.](#)

Lipson KL, Fonseca SG, Ishigaki S, Nguyen LX, Foss E, Bortell R, Rossini AA, Urano F.

Cell Metabolism 2006 Sep; 4(3):245.

- [WFS1 is a novel component of the unfolded protein response and maintains homeostasis of the endoplasmic reticulum in pancreatic beta-cells.](#)

Fonseca SG, Fukuma M, Lipson KL, Nguyen LX, Allen JR, Oka Y, Urano F.

The Journal of Biological Chemistry 2005 Nov; 280(47):39609.

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