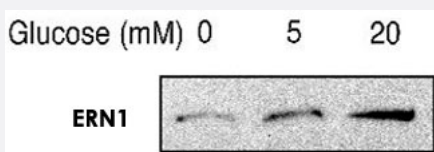


ERN1 (phospho S724) polyclonal antibody

Catalog # PAB12435 Size 100 uL

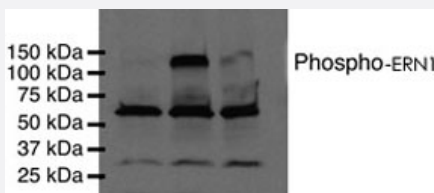
Applications

Western Blot (Cell lysate)



Western blot analysis of phosphorylated ERN1 in min6 cells, treated with glucose for 3 hours using ERN1 (phospho S724) polyclonal antibody (Cat # PAB12435).

Western Blot (Transfected lysate)



Western blot analysis of phosphorylated ERN1 using ERN1 (phospho S724) polyclonal antibody (Cat # PAB12435). Lane 1 : COS-7 untransfected.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ERN1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S724 of human ERN1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of phosphorylated ERN1 in min6 cells, treated with glucose for 3 hours using ERN1 (phospho S724) polyclonal antibody (Cat # PAB12435).

- Western Blot (Transfected lysate)

Western blot analysis of phosphorylated ERN1 using ERN1 (phospho S724) polyclonal antibody (Cat # PAB12435). Lane 1 : COS-7 untransfected.

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

- [Serine 129 phosphorylation of alpha-synuclein induces unfolded protein response-mediated cell death.](#)

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- [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.

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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.

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