



# Mouse anti-Human ERN1 polyclonal antibody (DPAB-DC897)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ERN1 (AAC25991, 401 a.a. ~ 500 a.a) partial recombinant protein with GST tag. The sequence is EEVINLVDQTSSENAPTTVSRDVEEKPAHAPARPEAPVDSMLKDMATIILSTFLLIGWVAF IITYPLSMHQQQLQHQQFQKELEKIQLLQQQQQLPFHP
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [ERN1 endoplasmic reticulum to nucleus signaling 1 \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	ERN1
<b>Synonyms</b>	ERN1; endoplasmic reticulum to nucleus signaling 1; IRE1; IRE1P; IRE1a; hIRE1p; serine/threonine-protein kinase/endoribonuclease IRE1; ire1-alpha; inositol-requiring 1; ER to nucleus signalling 1; inositol-requiring enzyme 1; inositol-requiring protein 1; protein kinase/endoribonuclease; endoplasmic reticulum-to-nucleus signaling 1;
<b>Entrez Gene ID</b>	<a href="#">2081</a>
<b>Protein Refseq</b>	<a href="#">NP_001424</a>
<b>UniProt ID</b>	<a href="#">O75460</a>
<b>Chromosome Location</b>	17q24.2
<b>Pathway</b>	Alzheimers disease; Alzheimers Disease; IRE1alpha activates chaperones; Non-alcoholic fatty liver disease (NAFLD)
<b>Function</b>	ATP binding; endoribonuclease activity; enzyme binding; identical protein binding