



# Goat anti-Human ERN1 polyclonal antibody (DPAB-DC896)

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>	A synthetic peptide corresponding to human ERN1. The sequence is C-PNAHGKIKAMISD
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Tissue lysate), ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ERN1 endoplasmic reticulum to nucleus signaling 1 [ Homo sapiens (human) ]</a>
<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