



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

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

PRODUCT INFORMATION

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

GENE INFORMATION

Gene Name	ERN1_endoplasmic reticulum to nucleus signaling 1 [Homo sapiens (human)]
Official Symbol	ERN1
Synonyms	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;
Entrez Gene ID	2081
Protein Refseq	NP_001424
UniProt ID	O75460
Chromosome Location	17q24.2
Pathway	Alzheimers disease; Alzheimers Disease; IRE1alpha activates chaperones; Non-alcoholic fatty liver disease (NAFLD)
Function	ATP binding; endoribonuclease activity; enzyme binding; identical protein binding
