



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

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	ERN1 (AAC25991, 401 a.a. ~ 500 a.a) partial recombinant protein with GST tag. The sequence is EEVINLDQTSENAPTTVSRDVEEKPAHAPARPEAPVDSMLKDMATIILSTFLLIGWVAF ITYPLSMHQQQQLQHQQFQKELEKIQLLQQQQQLPFHP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	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)]
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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
