

## Goat anti-ERN1 / IRE1a Antibody

<b>Item Number</b>	dAP-1600
<b>Target Molecule</b>	Principle Name: ERN1 / IRE1a; Official Symbol: ERN1; All Names and Symbols: ERN1; IRE1; endoplasmic reticulum to nucleus signaling 1; FLJ30999; IRE1P; MGC163277; MGC163279; ER to nucleus signalling 1; endoplasmic reticulum to nucleus signalling 1; inositol-requiring 1; protein kinase/endoribonuclease; IRE1a, IRE1-alpha; Accession Number (s): NP_001424.3; Human Gene ID(s): 2081; Non-Human GeneID(s): 78943 (mouse) 498013 (rat)
<b>Immunogen</b>	PNAHGKIKAMISD, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	Western Blot: Approx. 110kDa band observed in Human Pancreas lysates (calculated MW of 110kDa according to NP_001424.3). Recommended concentration: 0.03-0.1µg/ml. Primary in cubation was 1 hour.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Yokouchi M, Hiramatsu N, Hayakawa K, Okamura M, Du S, Kasai A, Takano Y, Shitamura A, Shimada T, Yao J, Kitamura M. Involvement of selective reactive oxygen species upstream of proapoptotic branches of unfolded protein response. J Biol Chem. 2007 Dec 17; [Epub ahead of print].PMID: 18086661 -

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**