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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08559 - Goat Anti-ERN1 / IRE1a Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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

Official Symbol: ERN1

Accession Number(s): NP_001424.3

Human GeneID(s): [2081](#)

Non-Human GeneID(s): 78943 (mouse), 498013 (rat)

Immunogen

Peptide with sequence C-PNAHGKIKAMISD, from the internal region of the protein sequence according to NP_001424.3.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 110kDa band observed in Human Pancreas and Duodenum lysates (calculated MW of 110kDa according to NP_001424.3). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

EB08559 (0.3µg/ml) staining of Human Duodenum (A) and (0.1ug/ml) Pancreas (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence

EB08559 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.