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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 GenelD(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.

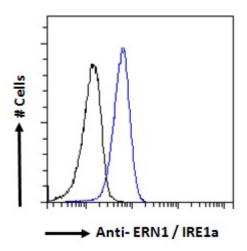
Species Reactivity

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.