Rabbit anti-Human IRE1 Monoclonal Antibody | anti-ERN1 antibody

IRE1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282873	**Rabbit**	**Human**	**ELISA, Western Blot**

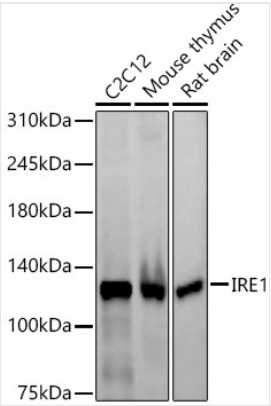
PRODUCT SYNONYMS

IRE1; Monoclonal Antibody; IRE1 Rabbit mAb; IRE1P; IRE1a; hIRE1p; anti-ERN1 antibody

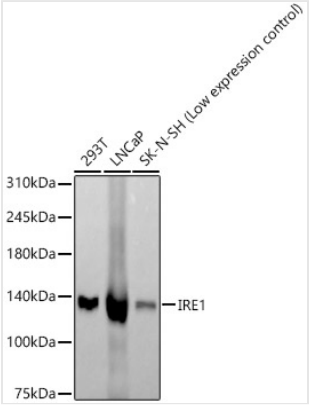
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	VGKYSTSLYA SPSMVHEGVA VVPRGSTLPL LEGPQTDGVT IGDKGECVIT PSTDVKFDPG LKSKNKLNYL RNYWLLIGHH ETPLSASTKM LERFPNNLPK HRENVIPADS EKKSFEEVIN LVDQTSENAP TTVSRDVEEK PAHAPARPEA
Applicable Applications for anti-ERN1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 286-435 of human IRE1 (NP_001424.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of various lysates, using IRE1 Rabbit mAb (AAA282873) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 120s.



WB (Western Blot)
Western blot analysis of various lysates, using IRE1 Rabbit mAb (AAA282873) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-ERN1 antibody	This gene encodes the transmembrane protein kinase inositol-requiring enzyme 1. The encoded protein contains two functional catalytic domains, a serine/threonine-protein kinase domain and an endoribonuclease domain. This protein functions as a sensor of unfolded proteins in the endoplasmic reticulum (ER) and triggers an intracellular signaling pathway termed the unfolded protein response (UPR). The UPR is an ER stress response that is conserved from yeast to mammals and activates genes involved in degrading misfolded proteins, regulating protein synthesis and activating molecular chaperones. This protein specifically mediates the splicing and activation of the stress response transcription factor X-box binding protein 1.
Product Categories/Family for anti-ERN1 antibody	Signal Transduction; Kinase; Cell Biology Developmental Biology; Apoptosis; Neuroscience; Neurodegenerative Diseases; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	193806335
NCBI GeneID	2081
UniProt Accession #	O75460; Q59EE2; A1L457; A8K8N8; A8MXS7
Molecular Weight	Calculated MW: 110kDa Observed MW: 130kDa
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE1
UniProt Gene Name	**ERN1**
UniProt Synonym Gene Names	hIRE1p; IRE1a
UniProt Entry Name	ERN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/ire1-antibody-western-blot-elisa/282873