

Rabbit anti-Human ERN2 Polyclonal Antibody | anti-ERN2 antibody

ERN2 Antibody

CATALOG # AAA301590	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

ERN2; Polyclonal Antibody; ERN2 Antibody; IRE1b; IRE1-BETA; anti-ERN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ERN2 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	2.2 mg/ml (varies by lot)
Sequence Length	874
Applicable Applications for anti-ERN2 antibody	IHC (Immunohistochemistry)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human endoplasmic reticulum to nucleus signaling 2
Target Name	ERN2
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/40.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/40.

ADDITIONAL INFORMATION

Related Product Information for anti-ERN2 antibody	The accumulation of unfolded proteins within the endoplasmic reticulum (ER) of yeast and mammalian cells activates the unfolded protein response (UPR) pathway and leads to the transcription of ER-specific genes involved in protein folding. The activation of the UPR requires the ER transmembrane kinase IRE1p (for inositol-requiring and ER-to-nucleus signaling protein). IRE1a and IRE1b are two mammalian homologs of the yeast IRE1p. These related proteins localize to the ER lumen and contain both a short transmembrane domain that spans the ER membrane and a cytosolic Ser/Thr kinase domain. IRE1 activation involves the oligomerization and trans-phosphorylation of the cytosolic portion of the proteins, which then potentiates its intrinsic kinase activity and, in turn, stimulates transcription of UPR-targeted genes.
Product Categories/Family for anti-ERN2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	816197601
NCBI GeneID	10595
NCBI Accession #	NP_001295149.2
NCBI GenBank Nucleotide #	NM_001308220.1
UniProt Accession #	Q76MJ5; Q6ZNC0
Molecular Weight	102,480 Da
NCBI Official Full Name	serine/threonine-protein kinase/endoribonuclease IRE2 isoform b
NCBI Official Synonym Full Names	endoplasmic reticulum to nucleus signaling 2
NCBI Official Symbol	ERN2
NCBI Official Synonym Symbols	IRE1b; IRE2p; hIRE2p; IRE1-BETA
NCBI Protein Information	serine/threonine-protein kinase/endoribonuclease IRE2
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE2
UniProt Gene Name	ERN2
UniProt Synonym Gene Names	hIRE2p; IRE1b
UniProt Entry Name	ERN2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ern2-antibody-immunohistochemistry-elisa/301590>