

Rabbit anti-Human Endoplasmic reticulum resident protein 29 Polyclonal Antibody | anti-ERP29 antibody

Rabbit anti-human Endoplasmic reticulum resident protein 29 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA81455	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

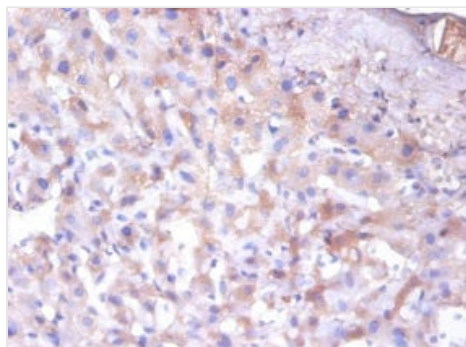
PRODUCT SYNONYMS

Endoplasmic reticulum resident protein 29; Polyclonal Antibody; Rabbit anti-human Endoplasmic reticulum resident protein 29 polyclonal Antibody; anti-ERP29 antibody

PRODUCT SPECIFICATIONS

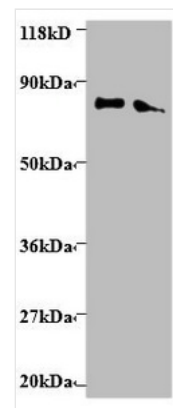
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	53
Applicable Applications for anti-ERP29 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Endoplasmic reticulum resident protein 29 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49656 / sc-49658
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver using AAA81455 at dilution of 1:100



WB (Western Blot)

All lanes: Endoplasmic reticulum resident protein 29 antibody at 2ug/ml
Lane 1: EC109 whole cell lysate
Lane 2: 293T whole cell lysate
Secondary: Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size: 29,6 kDa
Observed band size: 80 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ERP29 antibody	Proper protein folding and post-translational modifications are essential for secretory protein export out of the endoplasmic reticulum. This task is accomplished by chaperone proteins such as protein disulfide isomerase (PDI), GRP94, and BiP. A recently characterized protein, designated ERp29, is closely related to these chaperone proteins and appears to be upregulated during ER stress conditions. ERp29 is a soluble 259-residue protein that is localized to the lumen of the endoplasmic reticulum in all mammalian cells. Research has shown that there are two primary domains within ERp29. The first is the C-terminal region that is a novel, all helical, fold that is most likely involved with ERp29 retention to the ER. The second is the N-terminal region that resembles that of PDI's thioredoxin module. The protein shows sequence similarity to the protein disulfide isomerase family. However, it lacks the thioredoxin motif characteristic of this family, suggesting that this protein does not function as a disulfide isomerase. The protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77628151
NCBI GeneID	10961
NCBI Accession #	NP_001029197.1
NCBI GenBank Nucleotide #	NM_001034025.1
UniProt Accession #	P30040; Q3MJC3; Q6FHT4; C9J183
Molecular Weight	5,477 Da
NCBI Official Full Name	endoplasmic reticulum resident protein 29 isoform 2
NCBI Official Synonym Full Names	endoplasmic reticulum protein 29
NCBI Official Symbol	ERP29
NCBI Official Synonym Symbols	ERp28; ERp31; PDIA9; PDI-DB; C12orf8; HEL-S-107
NCBI Protein Information	endoplasmic reticulum resident protein 29
UniProt Protein Name	Endoplasmic reticulum resident protein 29
UniProt Gene Name	ERP29
UniProt Synonym Gene Names	C12orf8; ERP28; ERp29; ERp28; ERp31
UniProt Entry Name	ERP29_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/endoplasmic-reticulum-resident-protein-29-antibody-immunohistochemistry-western-blot-elisa/81455>