

Rabbit ERp29 Polyclonal Antibody | anti-ERP29 antibody

ERp29 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328950	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA, Immunocytochemistry, Immunofluorescence

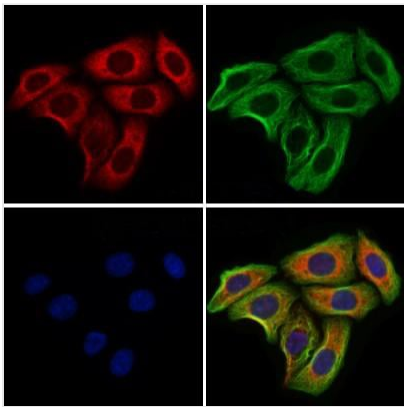
PRODUCT SYNONYMS

ERp29; Polyclonal Antibody; ERp29 Antibody; C12orf8; Chromosome 12 open reading frame 8; Endoplasmic reticulum lumenal protein ERp28; Endoplasmic reticulum protein 29; Endoplasmic reticulum protein 29 isoform 1; Endoplasmic reticulum protein ERp29; Endoplasmic reticulum resident protein 28; Endoplasmic reticulum resident protein 29; Endoplasmic reticulum resident protein 31; Epididymis secretory protein Li 107; ERp28; ERP29_HUMAN; ERp31; HEL S 107; PDI-DB; PDIA9; Protein disulfide isomerase family A member 9; anti-ERP29 antibody

PRODUCT SPECIFICATIONS

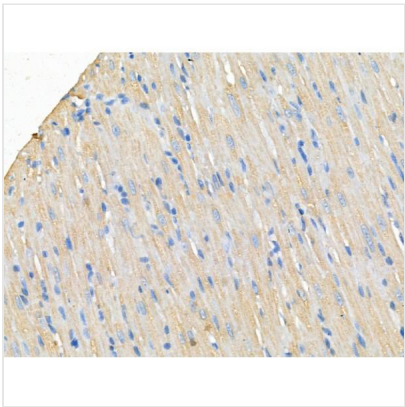
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	ERp29 Antibody detects endogenous levels of total ERp29.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	53
Applicable Applications for anti-ERP29 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human ERp29, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



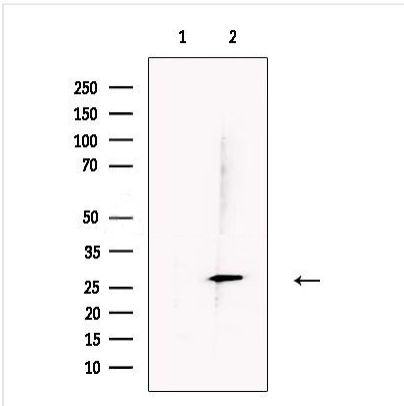
IF (Immunofluorescence)

AAA328950 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328950 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA328950 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from NIH/3T3, using ERp29 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ERP29 antibody

Function: Does not seem to be a disulfide isomerase. Plays an important role in the processing of secretory proteins within the endoplasmic reticulum (ER), possibly by participating in the folding of proteins in the ER.

Subcellular Location: Endoplasmic reticulum lumen. Melanosome. Note: Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Specificity: Ubiquitous. Mostly expressed in secretory tissues.

Subunit Structure: Homodimer. Part of a large chaperone multiprotein complex comprising CABP1, DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX.

NCBI AND UNIPROT INFORMATION

NCBI GI #	77628151
NCBI GeneID	10961
NCBI Accession #	NP_001029197.1

NCBI GenBank Nucleotide #	NP_001029197.1
UniProt Accession #	P30040
Molecular Weight	Observed Molecular Weight: (Observed)28kD. Predicted Molecular Weight: (Calculated)29kDa.
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://www.aaabiotech.com/polyclonal/erp29-antibody-immunocytochemistry-immunofluorescence-elisa/328950>