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Datasheet for ABIN2782023
anti-ERP29 antibody (N-Term)

3 Images

Overview

Quantity:	100 µL
Target:	ERP29
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Sheep, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERP29 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ERP29
Sequence:	MAAAVPRAAF LSPLLPLLLG FLLLSAPHGG SGLHTKGALP LDTVTFYKVI
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against ERP29. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ERP29
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Target Details

Alternative Name:	ERP29 (ERP29 Products)
Background:	<p>This gene encodes a reticuloplasmin, a protein which resides in the lumen of the endoplasmic reticulum (ER). 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. Alternative splicing results in multiple transcript variants encoding different isoforms.</p> <p>Alias Symbols: C12orf8, ERp28, ERp31, PDI-DB, PDIA9</p> <p>Protein Interaction Partner: HUWE1, CIAO1, UBC, MDM2, GLP1R, ATF2, UBQLN4, H2AFX, ERP29, HSPA5,</p> <p>Protein Size: 261</p>
Molecular Weight:	26 kDa
Gene ID:	10961
NCBI Accession:	NM_006817 , NP_006808
UniProt:	P30040

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 261 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ERP29 Antibody Titration: 0.2-1 ug/ml Positive Control: ACHN cell lysate ERP29 is supported by BioGPS gene expression data to be expressed in ACHN

Western Blotting

Image 2. WB Suggested Anti-ERP29 Antibody Titration: 0.2-1 µg/mL Positive Control: ACHN cell lysate ERP29 is supported by BioGPS gene expression data to be expressed in ACHN

Immunohistochemistry

Image 3. Rabbit Anti-ERP29 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

