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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 |

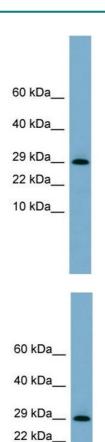
Target Details

| | ERP29 (ERP29 Products) |
|---|--|
| Background: | 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. |
| | Alias Symbols: C12orf8, ERp28, ERp31, PDI-DB, PDIA9 |
| | Protein Interaction Partner: HUWE1, CIAO1, UBC, MDM2, GLP1R, ATF2, UBQLN4, H2AFX, |
| | ERP29, HSPA5, |
| | Protein Size: 261 |
| 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: | |
| CONTINENT. | Antigen size: 261 AA |
| Restrictions: | For Research Use only |
| | |
| Restrictions: | |
| Restrictions: Handling | For Research Use only |
| Restrictions: Handling Format: | For Research Use only Liquid |
| Restrictions: Handling Format: Concentration: | For Research Use only Liquid Lot specific |
| Restrictions: Handling Format: Concentration: | For Research Use only Liquid Lot specific Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % |
| Restrictions: Handling Format: Concentration: Buffer: | For Research Use only Liquid Lot specific Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Restrictions: Handling Format: Concentration: Buffer: Preservative: | For Research Use only Liquid Lot specific Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. Sodium azide |

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

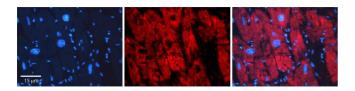
Western Blotting

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



10 kDa

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