

Datasheet for ABIN2773874
anti-EPRS antibody (Middle Region)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | EPRS |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Rabbit, Horse, Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EPRS antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human EPRS |
| Sequence: | KSEKQNKPKQ QNDGQRKDPS KNQGGGLSSS GAGEGQGPKK QTRLGLEAKK |
| Predicted Reactivity: | Horse: 79%, Human: 100%, Mouse: 79%, Pig: 83%, Rabbit: 79%, Rat: 79% |
| Characteristics: | This is a rabbit polyclonal antibody against EPRS. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|-------------------|--|
| Target: | EPRS |
| Alternative Name: | EPRS (EPRS Products) |

Target Details

Background: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. EPRS is a multifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species.

Alias Symbols: DKFZp313B047, EARS, PARS, PIG32, QARS, QPRS, GLUPRORS

Protein Interaction Partner: HUWE1, ISG15, UBC, AURKA, SUMO2, STAU1, LGR4, RPA3, RPA2, RPA1, SUZ12, RNF2, EZH2, CMYA5, VPS25, LRRRC47, LARS, TES, IGF2BP3, LRRFIP1, TCEB2, RPL23A, RFC4, PTBP1, NEDD4, IARS, CDC42, EEF1D, FBXO6, EGFR, UBD, ITGA4, FN1, MAP1LC3A, gag, VCAM1, VBP1, UBA1, TC

Protein Size: 1512

Molecular Weight: 170 kDa

Gene ID: 2058

NCBI Accession: [NM_004446](#), [NP_004437](#)

UniProt: [P07814](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1512 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.

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-EPRS Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: PANC1 cell lysate EPRS is strongly supported by BioGPS gene expression data to be expressed in Human PANC1 cells

Western Blotting

Image 2. WB Suggested Anti-EPRS Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500 Positive Control: PANC1 cell lysate EPRS is strongly supported by BioGPS gene expression data to be expressed in Human PANC1 cells

Immunohistochemistry

Image 3. Rabbit Anti-EPRS Antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Cytoplasm in spermatogonia and Leydig cells Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

