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Datasheet for ABIN2773874 anti-EPRS antibody (Middle Region)

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:	KSEKQNKPQK 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)

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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, LRRC47, LARS, TES, IGF2BP3, LRRFIP1, TCEB2,
	RPL23A, RFC4, PTBP1, NEDD4, IARS, CDC42, EEF1D, FBX06, 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

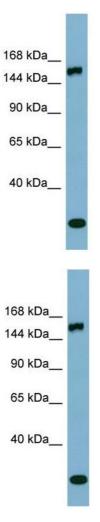
Handling

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

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aliquots to prevent freeze-thaw cycles.

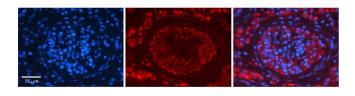
Images



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