

Rabbit anti-Human EPRS Polyclonal Antibody | anti-EPRS antibody

EPRS Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285041	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

EPRS; Polyclonal Antibody; EPRS Antibody (N-term); Bifunctional glutamate/proline--tRNA ligase; Bifunctional aminoacyl-tRNA synthetase; Cell proliferation-inducing gene 32 protein; Glutamyl-prolyl-tRNA synthetase; Glutamate--tRNA ligase; Glutamyl-tRNA synthetase; GluRS; Proline--tRNA ligase; Prolyl-tRNA synthetase; GLNS; PARS; QARS; QPRS; anti-EPRS antibody

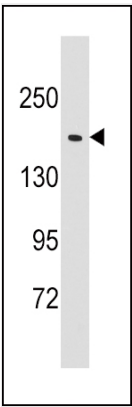
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EPRS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the N-terminal region of human EPRS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	285-314
Sequence Length	1,512
Applicable Applications for anti-EPRS antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with EPRS antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-EPRS Pab in Jurkat cell line lysates (35ug/lane). EPRS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EPRS antibody	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.
References	Jia,J., Mol. Cell 29 (6), 679-690 (2008) Beausoleil,S.A., Nat. Biotechnol. 24 (10), 1285-1292 (2006) Kato,T., Cancer Res. 65 (13), 5638-5646 (2005) Sampath,P., Cell 119 (2), 195-208 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241042
NCBI GeneID	2058
NCBI Accession #	NP_004437.2
NCBI GenBank Nucleotide #	NM_004446.2
UniProt Accession #	P07814; Q05BP6; Q05DF8; Q5DSM1; Q5H9S5; Q6PD57; Q86X73; A0AVA9; B9EGH3
Molecular Weight	170591
NCBI Official Full Name	bifunctional glutamate/proline--tRNA ligase
NCBI Official Synonym Full Names	glutamyl-prolyl-tRNA synthetase
NCBI Official Symbol	EPRS
NCBI Official Synonym Symbols	EARS; PARS; QARS; QPRS; PIG32; GLUPRORS
NCBI Protein Information	bifunctional glutamate/proline--tRNA ligase
UniProt Protein Name	Bifunctional glutamate/proline--tRNA ligase
UniProt Gene Name	EPRS
UniProt Synonym Gene Names	GLNS; PARS; QARS; QPRS; GluRS
UniProt Entry Name	SYEP_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://stage.aaabiotech.com/polyclonal/eprs-antibody-immunohistochemistry-western-blot-elisa/285041>