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

Rabbit anti-EPRS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212408	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

EPRS; Polyclonal Antibody; Rabbit anti-EPRS Antibody; Affinity Purified; PIG32; Glutamyl-tRNA synthetase; QPRS; QARS; prolyl-tRNA synthetase; Proline--tRNA ligase; proline-tRNA ligase; proliferation-inducing gene 32 protein; PARS; HLD15; glutamatyl-prolyl-tRNA synthetase; Glutamate--tRNA ligase; bifunctional aminoacyl-tRNA synthetase; glutamate tRNA ligase; glutaminyl-tRNA synthetase; GluRS; GLUPRORS; EARS; cell proliferation-inducing gene 32 protein; bifunctional glutamate/proline--tRNA ligase; proliferation-inducing protein 32; Bifunctional glutamate/proline--tRNA ligase; glutamyl-prolyl-tRNA synthetase; anti-EPRS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-EPRS antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 950 and 1000
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human and mouse EPRS by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-EPRS antibody AAA212408 (lot AAA212408-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

IP (Immunoprecipitation)
Detection of human EPRS by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-EPRS antibody AAA212408 (lot AAA212408-1) used for IP at 6 ug/mg lysate. EPRS was also immunoprecipitated by rabbit anti-EPRS antibodies and For blotting immunoprecipitated EPRS, AAA212408 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

IHC (Immunohistochemistry)
Detection of human EPRS by immunohistochemistry. Samples: FFPE serial sections of human breast carcinoma. Antibody: Affinity purified rabbit anti-EPRS (Cat. No. Lot1, left image, Lot1, middle image and Cat. No. AAA212408 Lot1, right image) used at a dilution of 1:1,000 (1ug/ml) Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-EPRS antibody	EPRS (glutamyl-prolyl-tRNA synthetase) catalyzes the attachment of the cognate amino acid to the corresponding tRNA in a two-step reaction: the amino acid is first activated by ATP to form a covalent intermediate with AMP and is then transferred to the acceptor end of the cognate tRNA [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P07814].
Product Categories/Family for anti-EPRS antibody	Primary Antibodies

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	170,591 Da
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

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-immunoprecipitation-western-blot-elisa/212408