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Datasheet for ABIN7145567
anti-EPRS antibody (AA 1207-1399) (Biotin)

Overview

Quantity:	100 µg
Target:	EPRS
Binding Specificity:	AA 1207-1399
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPRS antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Bifunctional glutamate/proline-tRNA ligase protein (1207-1399AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EPRS
Alternative Name:	EPRS (EPRS Products)
Background:	Background: 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

Target Details

with AMP and is then transferred to the acceptor end of the cognate tRNA. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation and subsequent phosphorylation dissociates from the multisynthetase complex and assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation.

Aliases: Bifunctional aminoacyl tRNA synthetase antibody, Bifunctional aminoacyl-tRNA synthetase antibody, Bifunctional glutamate/proline tRNA ligase antibody, Cell proliferation-inducing gene 32 protein antibody, DKFZp313B047 antibody, EARS antibody, Eprs antibody, GLNS antibody, Glu pro tRNA synthetase antibody, GLUPRORS antibody, GluRS antibody, Glutamate tRNA ligase antibody, Glutametyl prolyl tRNA synthetase antibody, Glutaminyl tRNA synthetase antibody, Glutamyl prolyl tRNA synthetase antibody, Glutamyl tRNA synthetase antibody, Glutamyl-tRNA synthetase antibody, PARS antibody, PIG 32 antibody, PIG32 antibody, Proliferation inducing gene 32 protein antibody, Proliferation inducing protein 32 antibody, Proline tRNA ligase antibody, Proline--tRNA ligase antibody, Prolyl tRNA synthetase antibody, Prolyl-tRNA synthetase antibody, QARS antibody, QPRS antibody, SYEP_HUMAN antibody

UniProt: [P07814](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.