

EPRS1 antibody

Product Information

Catalog No.:	FNab02817
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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 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.

Immunogen information

Immunogen:	glutamyl-prolyl-tRNA synthetase
Synonyms:	Bifunctional glutamate/proline--tRNA ligase Bifunctional aminoacyl-tRNA synthetase Cell proliferation-inducing gene 32 protein Glutamyl-prolyl-tRNA synthetase EPRS1 EPRS GLNS PARS QARS QPRS
Observed MW:	171 kDa
Uniprot ID :	P07814

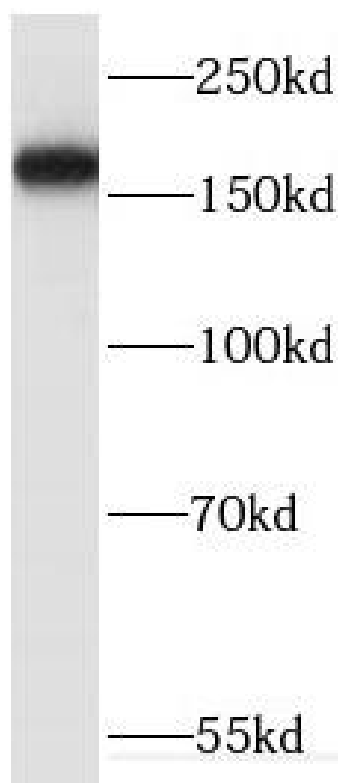
Application

Reactivity:	Human
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Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab02817(EPRS Antibody) at dilution of 1:600