

For Research Use Only

CoraLite® Plus 647-conjugated EPRS Monoclonal antibody



Catalog Number:CL647-67712

Basic Information

Catalog Number: CL647-67712	GenBank Accession Number: BC126275	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2058	CloneNo.: 1B7G2
Source: Mouse	Full Name: glutamyl-prolyl-tRNA synthetase	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 1512 aa, 171 kDa	Excitation/Emission maxima wavelengths: 650 nm / 665 nm
Immunogen Catalog Number: AG19184		

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: Human, rat, mouse	

Background Information

Human EPRS is a 172 kDa, 1512 amino acid polypeptide consisting of three major domains. The N and C termini contain ERS and PRS catalytic domains, respectively, joined by a 300 amino acid linker containing three tandem WHEP-TRS (referred to as WHEP) domains. EPRS is a bifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species. EPRS has a special role in GAIT-mediated translational control, as it is solely responsible for recognition and interaction with GAIT elements in target mRNAs. (PMID: 29576217, PMID: 22386318, PMID: 19647514)

Storage

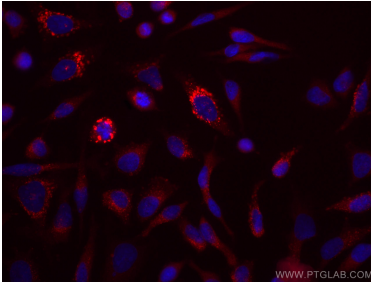
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 647 EPRS antibody (CL647-67712, Clone: 1B7G2) at dilution of 1:200.