

For Research Use Only



CoraLite® Plus 647-conjugated Phospho-eEF2 (Thr57) Recombinant monoclonal antibody

Catalog Number:CL647-80351-2

Basic Information

Catalog Number:

CL647-80351-2

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC126259

GeneID (NCBI):

1938

UNIPROT ID:

P13639

Full Name:

eukaryotic translation elongation factor 2

Calculated MW:

858 aa, 95 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

250222A6

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : λ phosphatase treated HeLa cells,

Background Information

eEF2 (Eukaryotic Elongation Factor 2) is a key component in the process of protein synthesis in eukaryotic cells. It is a GTP-binding protein that plays a crucial role in the elongation phase of translation. Specifically, eEF2 facilitates the movement of the ribosome along the mRNA, allowing the addition of amino acids to the growing polypeptide chain. This elongation factor is essential for efficient and accurate protein synthesis. Interestingly, eEF2 phosphorylation can either be increased or decreased depending on the stimulus used in learning or synaptic plasticity paradigms. Examining the specific contributions of increases and decreases in eEF2 phosphorylation to learning and memory is difficult. (PMID: 25762683)

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

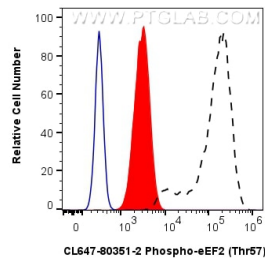
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.25 μ g Coralite® Plus 647 Phospho-Eef2 (Thr57) Recombinant Antibody (CL647-80351-2, Clone:250222A6)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).