For Research Use Only

CoraLite® Plus 647-conjugated Phospho-BAD (Ser112) Recombinant monoclonal antibody

Catalog Number:CL647-80431-2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-80431-2

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC001901

GeneID (NCBI):
572

UNIPROT ID:
Q92934

Full Name:
BCL2-associated agonist of cell death

Calculated MW:
18 kDa

Observed MW:
25 kDa

Purification Method:
Protein A purification

CloneNo.:
251074F11

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 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) : HEK-293 cells,

Background Information

BAD, a distant member of the BCL-2 family, exerts its death promoting e€ect by hetero-dimerizing with BCL-XL and BCL-2 death antagonists in the mitochondria. The function of the pro-apoptotic molecule BAD is regulated by phosphorylation of two sites, serine-112 (Ser-112) and serine-136 (Ser-136). Phosphorylation at either site results in loss of the ability of BAD to heterodimerize with the survival proteins BCL-XL or BCL-2. Phosphorylated BAD binds to 14-3-3 and is sequestered in the cytoplasm. (PMID: 10597268)

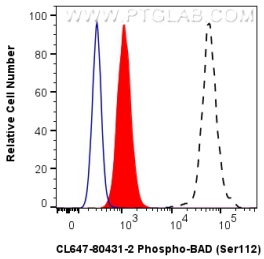
Storage

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:
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Selected Validation Data



1X10^6 HEK-293 cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.25 ug Coralite® Plus 647 Phospho-BAD (Ser112) Recombinant Antibody (CL647-80431-2, Clone:251074F11)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).