For Research Use Only

CoraLite® Plus 750-conjugated P62/SQSTM1 Recombinant monoclonal antibody

Catalog Number:CL750-84826

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL750-84826

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG35064

GenBank Accession Number:
NM_011018

GeneID (NCBI):
18412

UNIPROT ID:
Q64337

Full Name:
sequestosome 1

Calculated MW:
48 kDa

Observed MW:
62 kDa

Purification Method:
Protein A purification

CloneNo.:
241992C4

Recommended Dilutions:
FC (Intra): 0.4 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

FC (Intra) : NIH/3T3 cells,

Background Information

Sequestosome 1 (SQSTM1/p62) is a multifunctional adaptor protein implicated in selective autophagy, cell signaling pathways, and tumorigenesis. p62 has been implicated in shuttling ubiquitinated and aggregated proteins for autophagic degradation. p62 is degraded during the autophagic process, which makes its intracellular level a marker for autophagy progression. p62 is at the cross-roads of several signaling pathways including Ras/ Raf/ MAPK and NFκB and plays important role in cancer.

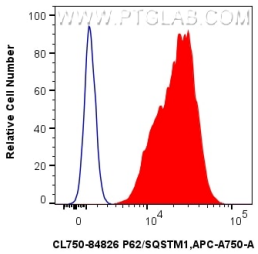
Storage

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



1x10^6 NIH/3T3 cells were intracellularly stained with 0.4 ug CoraLite® Plus 750-conjugated P62/SQSTM1 Recombinant monoclonal antibody (CL750-84826, Clone:241992C4)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).