

For Research Use Only

# CoraLite® Plus 488-conjugated P62,SQSTM1 Recombinant antibody

Catalog Number:CL488-80294

Featured Product



## Basic Information

Catalog Number:

CL488-80294

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13131

GenBank Accession Number:

BC017222

GeneID (NCBI):

8878

UNIPROT ID:

Q13501

Full Name:

sequestosome 1

Calculated MW:

48 kDa

Observed MW:

62 kDa

Purification Method:

Protein A purification

CloneNo.:

1D17

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : Chloroquine treated HepG2 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. p62 is a component of inclusion bodies/ protein aggregates found in human diseases, including Huntington's disease, Alzheimer's disease, Parkinson's disease, and nephropathic cystinosis (PMID: 22074114, 22860231, 22714671).

## 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

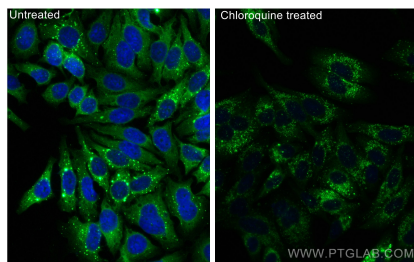
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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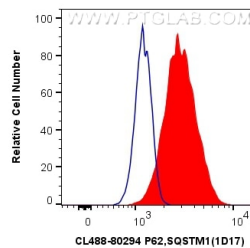
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using CoraLite® Plus 488 P62,SQSTM1 antibody (CL488-80294, Clone: 1D17 ) at dilution of 1:200.



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human P62,SQSTM1 (CL488-80294, Clone:1D17) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).