

For Research Use Only

# CoraLite®594-conjugated AP5Z1/SPG48 Monoclonal antibody

Catalog Number:CL594-66533



## Basic Information

Catalog Number:

CL594-66533

Size:

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

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26961

GenBank Accession Number:

BC037399

GeneID (NCBI):

9907

UNIPROT ID:

O43299

Full Name:

KIAA0415

Calculated MW:

807 aa, 88 kDa

Observed MW:

88 kDa, 160 kDa

Purification Method:

Protein G purification

CloneNo.:

1G1D7

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, rat

Positive Controls:

IF/ICC : HEK-293 cells,

## Background Information

AP5Z1, also known as SPG48 and KIAA0415, is a part of AP-5. Biallelic mutations in the AP5Z1 gene encoding the AP5Z1 subunit have been described in a small number of patients with hereditary spastic paraplegia (HSP). AP5Z1 physically interacts with other HSP proteins and that patient cells are sensitive to DNA damaging drugs.

## 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

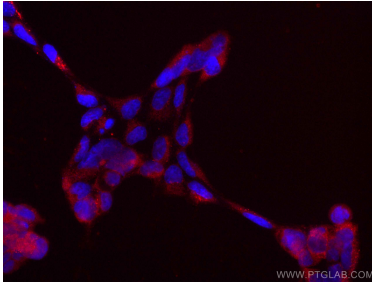
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed HEK-293 cells using CoraLite@594  
AP5Z1/SPG48 antibody (CL594-66533, Clone:  
1G1D7 ) at dilution of 1:100.