

For Research Use Only

# CoraLite® Plus 488-conjugated AP5Z1/SPG48 Monoclonal antibody



Catalog Number: CL488-66533

## Basic Information

<b>Catalog Number:</b> CL488-66533	<b>GenBank Accession Number:</b> BC037399	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 9907	<b>CloneNo.:</b> 1G1D7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O43299	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> KIAA0415	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG26961	<b>Calculated MW:</b> 807 aa, 88 kDa	
	<b>Observed MW:</b> 88 kDa, 160 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HEK-293 cells,
<b>Species Specificity:</b> Human, rat	

## 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.  
**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:

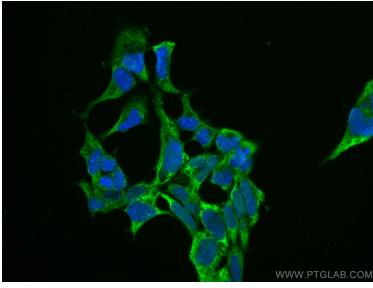
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 488 AP5Z1/SPG48 antibody (CL488-66533, Clone: 1G1D7) at dilution of 1:100.