

For Research Use Only

# AP5Z1/SPG48 Polyclonal antibody

Catalog Number: 34075-1-AP



## Basic Information

Catalog Number:

34075-1-AP

Size:

150ul , Concentration: 490 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26954

GenBank Accession Number:

BC037399

GeneID (NCBI):

9907

UNIPROT ID:

O43299

Full Name:

KIAA0415

Calculated MW:

807 aa, 88 kDa

Observed MW:

88 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, Jurkat cells, MG-63 cells, U2OS cells

IP : HeLa 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

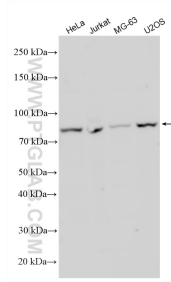
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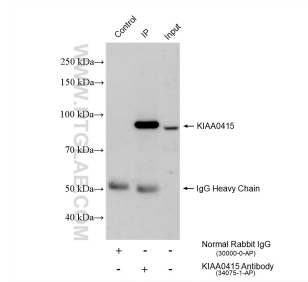
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34075-1-AP (AP5Z1/SPG48 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-AP5Z1/SPG48 (IP:34075-1-AP, 4ug; Detection:34075-1-AP 1:800) with HeLa cells lysate 1200 ug.