

## SPG7 Conjugated Antibody

Catalog No: #C27343



Package Size: #C27343-AF350 100ul #C27343-AF405 100ul #C27343-AF488 100ul  
 #C27343-AF555 100ul #C27343-AF594 100ul #C27343-AF647 100ul  
 #C27343-AF680 100ul #C27343-AF750 100ul #C27343-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | SPG7 Conjugated Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Isotype               | IgG  |
| Purification          | Affinity purification  |
| Applications          | most applications  |
| Species Reactivity    | Hu,Ms,Rt   |
| Immunogen Description | Recombinant fusion protein of human SPG7 (NP_003110.1).  |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | SPG7; CAR; CMAR; PGN; SPG5C; paraplegin  |
| Accession No.         | Swiss-Prot#:Q9UQ90NCBI Gene ID:6687  |
| Uniprot               | Q9UQ90   |
| GeneID                | 6687;  |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 88kDa  |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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This gene encodes a mitochondrial metalloprotease protein that is a member of the AAA family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Mutations in this gene cause autosomal recessive spastic paraplegia 7. Two transcript variants encoding distinct isoforms have been identified.

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Note: This product is for in vitro research use only