Mouse SPG7 Monoclonal Antibody | anti-SPG7 antibody

SPG7 antibody

CATALOG #	HOST	APPLICATIONS
AAA106650	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

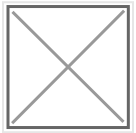
PRODUCT SYNONYMS

SPG7; Monoclonal Antibody; SPG7 antibody; Monoclonal SPG7; Anti-SPG7; CAR; CMAR; FLJ37308; MGC126331; MGC126332; PGN; SPG5C; SPG 7; SPG-7; anti-SPG7 antibody

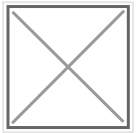
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1C12
Purity/Purification	SPG7 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	0.5-1 mg/ml (varies by lot)
Sequence Length	732
Applicable Applications for anti-SPG7 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	This gene encodes a nuclear-encoded mitochondrial metalloprotease protein that is a member of the AAA (ATPases associated with a variety of cellular activities) protein 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. Two transcript variants encoding distinct isoforms have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 7.
Cross-Reactivity	Human, Mouse
Immunogen	SPG7 antibody was raised in Mouse using Human recombinant protein fragment corresponding to amino acids 300-573 of human SPG7 prodduced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

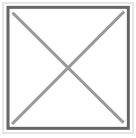
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant SPG7 protein using SPG7 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SPG7 protein (Right) or empty vector (Left) detected with SPG7 antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant SPG7 protein (red) or empty vector (blue) stained using SPG7 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SPG7 antibody	Mouse monoclonal SPG7 antibody
Product Categories/Family for anti-SPG7 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	34783526
NCBI GeneID	6687
UniProt Accession #	Q9UQ90; O75756; Q2TB70; Q58F00; Q96IB0
Molecular Weight	53,940 Da
NCBI Official Full Name	SPG7 protein, partial
NCBI Official Synonym Full Names	spastic paraplegia 7 (pure and complicated autosomal recessive)
NCBI Official Symbol	SPG7
NCBI Official Synonym Symbols	CAR; PGN; CMAR; SPG5C
NCBI Protein Information	paraplegin
UniProt Protein Name	Paraplegin
UniProt Gene Name	**SPG7**
UniProt Synonym Gene Names	CAR; CMAR; PGN
UniProt Entry Name	SPG7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/spg7-antibody-clone-1c12-western-blot-immunofluorescence-flow-cytometry-elisa/106650