

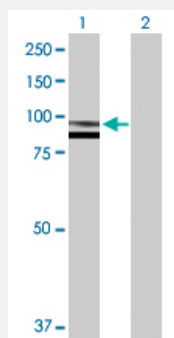
MaxPab®

SPG7 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006687-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SPG7 expression in transfected 293T cell line ([H00006687-T01](#)) by SPG7 MaxPab polyclonal antibody.

Lane 1: SPG7 transfected lysate(88.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human SPG7 protein.

Immunogen

SPG7 (NP_003110.1, 1 a.a. ~ 795 a.a) full-length human protein.

Sequence

MAVLLLLLRALRRGPGPRPLWGPGPAWSPGFARPGRGRPYMASRPPGDLAEAGGRALQS
LQLRLLTPTFEGINGLLLKQHLVQNPVRLWQLLGGTFYFNTSRLKQKNKEKDKSKGKAPEDEEE
RRRRERDDQMYRERLRTLLVIAVVMSELLNALSTSGGSISWNDVHEMLAKGEVQVRVQVPESDV
VEVYLHPGAVVFGPRRLALMYRMQVANIDKFEEKLRAAEDELNIEAKDRIPVSYKRTGFFGNALYS
VGMTAVGLAILWYVFRLAGMTGREGGSAFNQLKMARFTVDGKMGKGVSFKDVAGMHEAKLEV
REFVDYLKSPERFLQLGAKVPKGALLLGPPGCGKTLLAKAVATEAQVPFLAMAGPEFVEVIGGLG
AARVRSLFKEARARAPCIVYDEIDAVGKKRSTTMSGFSNTEEEQTLNQLLVEMDGMGTTDHVML
ASTNRADILDGALMRPGRLDRHVFIDLPTLQERREIFEQHLKSLKLTQSSTFYSQLAELTPGFSGA
DIANICNEAALHAAREGHTSVHTLNFEYAVERVLAGTAKKSKILSKEEQKVVAFHESGHALVGWM
LEHTEAVMKVSITPRTNAALGFAQMLPRDQHLFTKEQLFERMCMALGGRASEALSFNEVTSGAQ
DDLKRVTRIAYSMVKQFGMAPGIGPISFPEAQEGLMGIGRRPFSQGLQQMMDHEARLLVAKAYRH
TEKVLQDNLDKLQALANALLEKEVINYEDIEALIGPPPHGPKKMIAPQRWIDAQREKQDLGEEETE
ETQQPPLGGEEPTWPK

Host

Rabbit

Reactivity

Human

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

Gene Info — SPG7

Entrez GeneID	6687
GeneBank Accession#	NM_003119.2
Protein Accession#	NP_003110.1
Gene Name	SPG7
Gene Alias	CAR, CMAR, FLJ37308, MGC126331, MGC126332, PGN, SPG5C
Gene Description	spastic paraplegia 7 (pure and complicated autosomal recessive)
Omim ID	602783 607259
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	cell adhesion regulator cell matrix adhesion regulator paraplegin, isoform 1 spastic paraplegia 7

Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Motor Neuron Disease](#)
- [Multiple Sclerosis](#)
- [Paraparesis](#)
- [Spastic Paraplegia](#)