SPG7 rabbit monoclonal antibody

Catalog # H00006687-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SPG7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SPG7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SPG7 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — SPG7

Entrez GeneID	6687
GeneBank Accession#	SPG7
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 me mbrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Tw o transcript variants encoding distinct isoforms have been identified for this gene. Mutations asso ciated 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