

Mouse Spastin Monoclonal Antibody | anti-SPAST antibody

Spastin

CATALOG # AAA215205	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

Spastin; Monoclonal Antibody; ADPSP; FSP2; Spast; Spatin; SPG4; anti-SPAST antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	Sp 6C6
Specificity	The AAA protein family members share an ATPase domain and have roles in various cellular processes including intracellular motility, membrane trafficking, proteolysis, protein folding and organelle biogenesis. Spastin, a member of the AAA protein family, is a 616 amino acid protein and is involved in the function or assembly of nuclear protein complexes. The Spastin protein is expressed ubiquitously and localizes to the nucleus and the cytoplasm, where it may also be involved in microtubule dynamics. Mutations in the Spastin gene (SPAST, SPG4) cause the most common form of spastic paraplegia 4, an autosomal dominant form of hereditary spastic paraplegia (HSP). HSPs comprise a group of inherited neurological disorders characterized by spastic lower extremity weakness due to a length-dependent, retrograde axonopathy of corticospinal motor neurons. SPAST-specific mutations account for approximately 40% of all autosomal dominant HSPs.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	551
Applicable Applications for anti-SPAST antibody	WB (Western Blot), IF (Immunofluorescence)
Positive Control	HeLa cells. K-562 or Raji cell lysates.
Immunogen	Recombinant full-length human Spastin protein.
Cellular Localization	Cell Membrane and Secreted.
Hu-chromosome Location	2p22.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified Spastin Mouse Monoclonal Antibody (Sp 6C6). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of human Raji cell lysates using Spastin Mouse Monoclonal Antibody (Sp 6C6).



WB (Western Blot)
Western Blot Analysis of human K-562 cell lysates using Spastin Mouse Monoclonal Antibody (Sp 6C6).

ADDITIONAL INFORMATION

References	Daftary et al. 2011. Mol Endocrinol. 25(9):1539-49. PMID: 21757506.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	939620306
NCBI GeneID	6683
NCBI GenBank Nucleotide #	NP_001303438.1
UniProt Accession #	Q8I0P1; Q9UBP0
Molecular Weight	52kDa
NCBI Official Full Name	spastin, isoform E
NCBI Official Synonym Full Names	spastin
NCBI Official Symbol	SPAST
NCBI Official Synonym Symbols	FSP2; SPG4; ADPSP
NCBI Protein Information	spastin
UniProt Protein Name	Spastin
UniProt Gene Name	spas

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/spastin-antibody-clone-sp-6c6-western-blot-immunofluorescence-elisa/215205>