

Datasheet: MCA6350

Description:	RABBIT ANTI SPASTIN
Specificity:	SPASTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM346
Isotype:	IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the N-terminus of human spastin
External Database Links	UniProt:

Entrez Gene:

[6683](#) SPAST [Related reagents](#)

Synonyms	ADPSP, FSP2, KIAA1083, SPG4
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Specificity	Rabbit anti spastin antibody recognizes spastin, also known as spastic paraplegia 4 protein and SPAST.
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Spastin is an ATPase which uses energy from ATP hydrolysis to promote microtubule severing. The two spastin isoforms are ubiquitously-expressed but have different subcellular locations (primarily the cytoplasm and endoplasmic reticulum). They appear to work together to promote fission of tubules from the early sorting endosome ([Allison et al. 2019](#)). In addition to severing microtubules, spastin promotes regrowth of microtubules in an ATP-independent way, revealing its function as a dual-microtubule regulator ([Kuo et al. 2019](#)). Spastin is involved with remodeling of membrane structures, relevant for neurite branching, axonal growth, midbody abscission, and endosome tubulation ([Papadopoulos et al. 2015](#)). Mutations in spastin are a common cause of Hereditary Spastic Paraplegia (HSP), a group of diseases characterized by spasticity and gait disorders ([Arribat et al. 2020](#)).

Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10048 available at: 10048: https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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