

Datasheet for ABIN6940629

anti-Spastin antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Spastin (SPAST)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Spastin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human Spastin protein.
Clone:	Sp 3G11-1
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Spastin (SPAST)
Alternative Name:	SPAST (SPAST Products)
Background:	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

Target Details

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.

Molecular Weight: 52kDa

Gene ID: 6683

Pathways: [Microtubule Dynamics](#), [M Phase](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Positive Control: HeLa cells. Rat brain extract.
Known Application: ELISA (For coating, order antibody without BSA), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

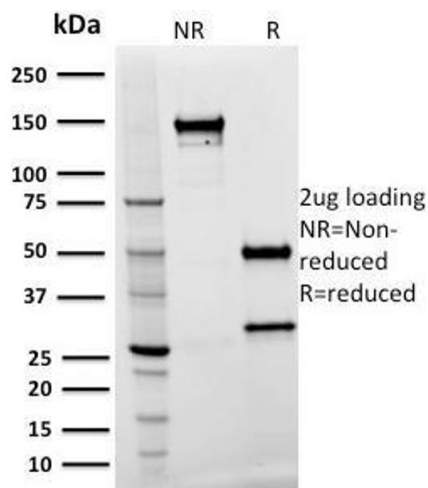
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified SPASTIN Mouse Monoclonal Antibody (Sp 3G11-1). Confirmation of Purity and Integrity of Antibody.