Spastin Antibody

Mouse Monoclonal Antibody [Clone Sp 3G11-1]

Catalog No	Format	Size
6683-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6683-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6683-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

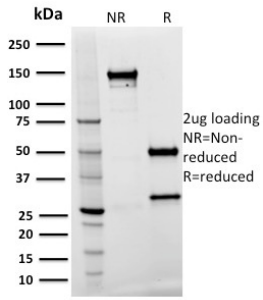
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	Sp 3G11-1
Gene Name	SPAST
Immunogen	Recombinant full-length human Spastin protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	52kDa
Cellular Localization	Cytoplasm, Endoplasmic reticulum, Membrane, Nucleus
Species Reactivity	Human, Mouse, Rat
Positive Control	HeLa cells. Rat brain extract.

**Optimal dilution for a specific application should be determined.*

Product Images for Spastin Antibody



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

Specificity & Comments

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.

Supplied As

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.

Storage and Stability

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.

Research Areas

Nuclear Marker

Limitations and Warranty