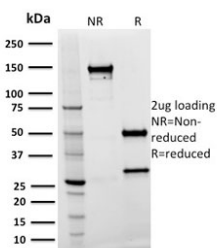


Spastin Antibody [clone Sp 3G11-1] (V8093)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V8093-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8093-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8093SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2a, kappa |
| Clone Name | Sp 3G11-1 |
| Purity | Protein G affinity chromatography |
| UniProt | Q9UP0 |
| Applications | Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This Spastin antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free Spastin antibody (clone Sp 3G11-1) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Spastin antibody should be determined by the researcher.

Immunogen

Recombinant full length human Spastin protein was used as the immunogen for the Spastin antibody.

Storage

Store the Spastin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).