

Anti-Spastin [Sp 6C6]

Catalogue number: 151424

Sub-type: Primary antibody

Images:

Contributor

Inventor: Giampietro Schiavo

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Spastin [Sp 6C6]

Alternate name:

CancerTools.org

Class: Monoclonal
Conjugate: Unconjugated
Description: Monoclonal antibody for investigation into hereditary spastic paraplegias.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG2a
Reactivity: Human ; Mouse ; Rat
Selectivity:
Host: Mouse
Immunogen: Recombinant Spastin
Immunogen UNIPROT ID: Q9UBP0
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls: HeLa cell or rat brain extract
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Spastin

Target alternate names:

Target background: Spastin is thought have a role in microtubule dynamics through its function as a microtubule-severing protein. It is localised to the centrosome of neuronal cells but is not found in glial cells. Spastin is involved in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Mutation in the ATPase binding domain of spastin causes hereditary spastic paraplegias (HSP), a large group of clinically similar disorders. Mutations within spastin cause the most common form of autosomal dominant spastic paraplegia 4. Mutant forms of spastin are generally found throughout the cytoplasm rather than within the nucleus. There are two splice isoforms of spastin (one without exon4) and two alternative ATG start sites, which may determine the localisation of the translate protein, coded by the SPAST gene.

Molecular weight: 52 kDa

Ic50:

Applications

Application: ELISA ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: