



Rabbit Anti-Striatin 3 antibody

SL12135R

| | |
|-------------------------------|---|
| Product Name: | Striatin 3 |
| Chinese Name: | CyclinSG2N抗体 |
| Alias: | Striatin3; Striatin-3; Striatin 3; Cell cycle autoantigen SG2NA; Cell cycle S/G2 nuclear autoantigen; GS2NA; nuclear autoantigen; S/G2 antigen; SG2NA; Striatin 3; Striatin, calmodulin binding protein 3; STRN3_HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 87kDa |
| Cellular localization: | cytoplasmicThe cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Striatin 3/SG2NA:75-180/797 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | Striatin, SG2NA, and zinedin, the three mammalian members of the striatin family, are multimodular, WD repeat and calmodulin-binding proteins. Zinedin and SG2NA share with striatin identical protein-protein interaction domains and the same overall domain structure. All three proteins are both cytosolic and membrane-bound and bind calmodulin in the presence of calcium. Striatin is a neuronal, intracellular protein strictly |

expressed in the somato-dendritic compartment, including spines and subsets of neurons, and is considered as a marker of neuronal polarity. Downregulation of striatin, which is expressed in a few subsets of neurons, impairs the growth of dendrites as well as rat locomotor activity. Zinedin is mainly expressed in the central nervous system, whereas SG2NA is mainly expressed in the brain and muscle.

Function:

Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.

Subunit:

Interacts with protein phosphatase 2A (PP2A) (Potential).

Subcellular Location:

Cytoplasm. Membrane; Peripheral membrane protein.

Similarity:

Belongs to the WD repeat striatin family.
Contains 6 WD repeats.

SWISS:

Q13033

Gene ID:

29966

Database links:

[Entrez Gene: 29966](#) Human

[Entrez Gene: 94186](#) Mouse

[Entrez Gene: 114520](#) Rat

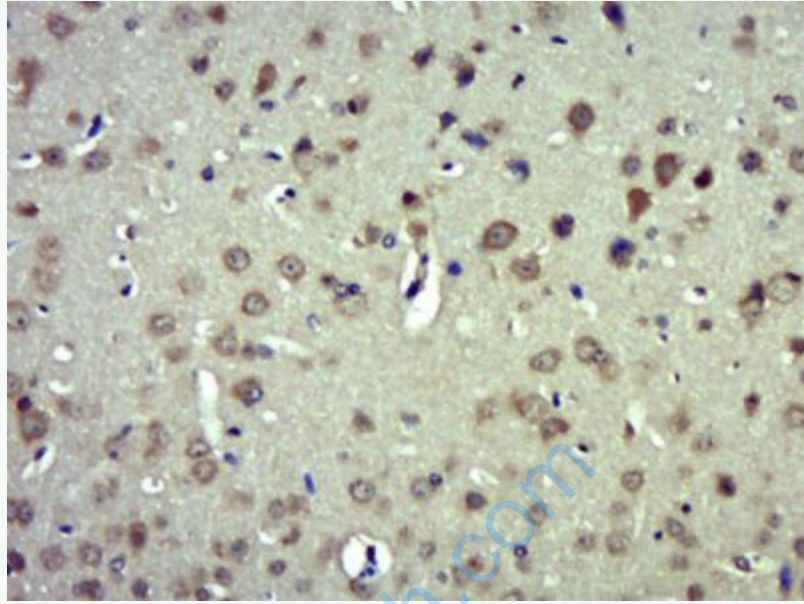
[SwissProt: Q13033](#) Human

[SwissProt: Q9ERG2](#) Mouse

[SwissProt: P58405](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Striatin 3) Polyclonal Antibody, Unconjugated (SL12135R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.