

## Rabbit Anti-Striatin 4 antibody

SL12136R

<b>Product Name</b>	Striatin 4
<b>Chinese Name</b>	STRN4 蛋白抗体
<b>Alias</b>	Striatin-4; STRN4; STRN4_HUMAN; ZIN; Zinedin.
<b>Research Area</b>	Cell biology Neurobiology Signal transduction Kinases and Phosphatases Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep, ) IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	80kDa
<b>Cellular localization</b>	cytoplasmic The cell membrane
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Striatin 4/zinedin: 85-190/753
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	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 somatodendritic compartment, including spines, 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.

**Subcellular Location:**

Cytoplasm. Membrane.

**Similarity:**

Belongs to the WD repeat striatin family.  
Contains 7 WD repeats.

**SWISS:**

Q9NRL3

**Gene ID:**

29888

**Database links:**

[Entrez Gene: 29888](#) Human

[Entrez Gene: 97387](#) Mouse

[Entrez Gene: 308392](#) Rat

[Omim: 614767](#) Human

[SwissProt: Q9NRL3](#) Human

[SwissProt: P58404](#) Mouse

[Unigene: 631590](#) Human

[Unigene: 21612](#) Mouse