



Rabbit Anti-Striatin 4 antibody

SL12136R

Product Name:	Striatin 4
Chinese Name:	STRN4蛋白抗体
Alias:	Striatin-4; STRN4; STRN4 HUMAN; ZIN; Zinedin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
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:	80kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Striatin 4/zinedin:85-190/753
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 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

[Omin: 614767](#) Human

[SwissProt: Q9NRL3](#) Human

[SwissProt: P58404](#) Mouse

[Unigene: 631590](#) Human

[Unigene: 21612](#) Mouse

Important Note:

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