

Datasheet for ABIN968207
anti-Striatin antibody (AA 450-600)

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Overview

Quantity:	50 µg
Target:	Striatin (STRN)
Binding Specificity:	AA 450-600
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Striatin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Rat Striatin aa. 450-600
Clone:	6-Striatin
Isotype:	IgG2b
Cross-Reactivity:	Mouse (Murine), Human, Dog (Canine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	Striatin (STRN)
Alternative Name:	Striatin (STRN Products)
Background:	<p>Signal transmission between neurons is regulated by the Ca²⁺-dependent release of neurotransmitters at the synapse. Striatin is a protein identified in the synaptosomal fraction of rat brain. Reports of sequence homology searches have shown that striatin belongs to a family of proteins with the repeated WD motif (the beta-transducin repeat or the WD-40 repeat) found in regulatory proteins. Striatin also binds calmodulin in a Ca²⁺-dependent manner.</p> <p>Immunolocalization and mRNA expression found striatin in the central nervous system, particularly enriched in neurons of the striatum and motor neurons. Furthermore, subcellular localization studies indicated that Striatin is tightly associated with the plasma membrane. Thus, striatin may play an important role in the Ca²⁺-dependent events occurring at the synapse.</p>
Molecular Weight:	110 kDa
Pathways:	Nuclear Hormone Receptor Binding , Cell-Cell Junction Organization

Application Details

Comment:	Related Products: ABIN968545, ABIN967389
Restrictions:	For Research Use only

Handling

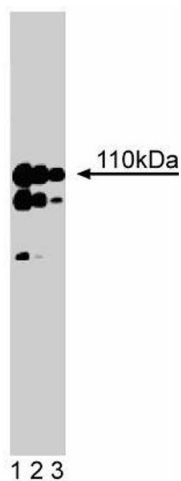
Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.

Publications

Product cited in: Castets, Rakitina, Gaillard, Moqrich, Mattei, Monneron: "Zinedin, SG2NA, and striatin are calmodulin-binding, WD repeat proteins principally expressed in the brain." in: **The Journal of biological chemistry**, Vol. 275, Issue 26, pp. 19970-7, (2000) ([PubMed](#)).

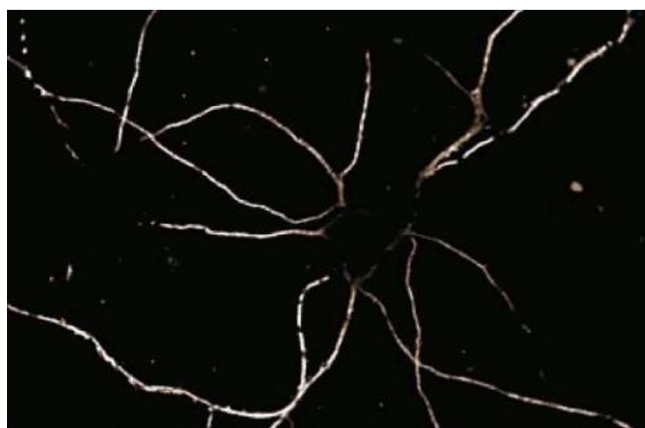
Castets, Bartoli, Barnier, Baillat, Salin, Moqrich, Bourgeois, Denizot, Rougon, Calothy, Monneron: "A novel calmodulin-binding protein, belonging to the WD-repeat family, is localized in dendrites of a subset of CNS neurons." in: **The Journal of cell biology**, Vol. 134, Issue 4, pp. 1051-62, (1996) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of Striatin on a rat cerebrum lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti-Striatin antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of rat neurons.

Image 3.

