



Mouse anti-Rat Striatin monoclonal antibody, clone 7 (CABT-B9324)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Rat Striatin aa. 450-600
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Rat, Human, Mouse, Dog
Clone	7
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 µg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Signal transmission between neurons is regulated by the Ca ²⁺ -dependent release of
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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 β -transducin repeat or the WD-40 repeat) found in regulatory proteins. Striatin also binds calmodulin in a Ca^{2+} -dependent manner. 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 Ca^{2+} -dependent events occurring at the synapse.

Keywords	STRN; striatin, calmodulin binding protein; SG2NA; striatin; striatin, calmodulin-binding protein;
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GENE INFORMATION

Entrez Gene ID	6801
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UniProt ID	O43815
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