



Mouse anti-Mouse Utrophin monoclonal antibody, clone 66/Vuspqijo (CABT-B9357)

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

PRODUCT INFORMATION

Immunogen	Mouse Utrophin aa. 768-874
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse
Clone	66/Vuspqijo
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
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 Utrophin is an autosomal homolog of dystrophin located on chromosome 6q24. Both encode

large cytoskeletal proteins that are members of the spectrin superfamily. Spectrin family proteins are located at the cytoplasmic face and link the intracellular cytoskeleton to the extracellular matrix. Utrophin is nearly identical to dystrophin, specifically in the N-terminal actin binding domain and the C-terminus. Dystrophin is expressed primarily in the brain and muscle, while Utrophin is ubiquitously expressed. In skeletal muscle, Utrophin expression varies depending on the the state of differentiation and innervation of muscle fibers. During development, it localizes in the sarcolemma. Following formation of synaptic contacts, Utrophin is found within the postsynaptic membrane domain of the neuromuscular junction. However, its expression is not limited to postsynaptic compartments. Although dystrophin is absent in patients with Duchenne muscular dystrophy (DMD) and mdx (dystrophin deficient) mice, Utrophin is upregulated. The regulation mechanisms underlying Utrophin expression in muscle have yet to be determined.

Keywords	UTRN; utrophin; DRP; DMDL; DRP1; DRP-1; dystrophin-related protein 1;
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GENE INFORMATION

Entrez Gene ID	7402
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UniProt ID	P46939
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