SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Utrophin antibody

Catalog Number: SL11394R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Utrophin
Immunogen:	KLH conjugated synthetic peptide derived from human Utrophin: 3110-3156/3433
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep)
Predicted MW.:	394kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Dystrophin and utrophin are related structural, Actin-binding proteins that are involved in anchoring the cytoskeleton to the plasma membrane. Dystrophin is the protein product of the Duchenne/Becker muscular dystrophy gene. Dystrophin expression is found in muscle and brain tissues, where it is localized to the inner surface of the plasma membrane. It has been speculated that alternative splicing of the carboxy terminus allows dystrophin to interact with a variety of proteins. Research has shown that the loss of dystrophin-associated proteins in Duchenne afflicted muscle is due to the absence of dystrophin rather than to muscle degradation and that the lack of dystrophin results in the loss of linkage between the cytoskeleton and the extracellular matrix. Evidence suggests that the upregulation of utrophin can reduce the dystrophic pathology. **Function:** May play a role in anchoring the cytoskeleton to the plasma membrane.

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Subunit: Interacts with the syntrophins SNTA1; SNTB1 and SNTB2. Interacts with SYNM. Interacts (via its WWW and ZZ domains) with DAG1 (via the PPXY motif of betaDAG1); the interaction is inhibited by the tyrosine phosphorylation of the PPXY motif of DAG1. **Subcellular Location:** Cell junction > synapse > postsynaptic cell membrane. Cytoplasm > cytoskeleton. Neuromuscular junction. **Tissue Specificity:** Muscle. **Similarity:** Contains 2 CH (calponin-homology) domains. Contains 20 spectrin repeats. Contains 1 WW domain. Contains 1 ZZ-type zinc finger. **Database links:** **Entrez Gene:** 7402 Human Omim: 128240 Human **SwissProt:** P46939 Human **Unigene:** 133135 Human

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