

Product datasheet

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ARG43810 anti-UTRN / Utrophin antibody

Package: 50 μg Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes UTRN / Utrophin

Tested Reactivity Hu, Ms

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name UTRN / Utrophin

Species Human

Immunogen Recombinant protein corresponding to a.a. L1211-K2294 of Human UTRN / Utrophin.

Conjugation Un-conjugated

Alternate Names Utrophin; DRP1; DMDL; DRP; Dystrophin-Related Protein; Utrophin (Homologous To Dystrophin); DRP-1

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:2000
Application Note	IHC-P: Antigen retrieval: boil tissue sections in 1mM EDTA (pH 9.0) for 20 min and allow samples to cool to RT before staining.	

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer 0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.

Stabilizer 4% Trehalose
Concentration 0.5 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol UTRN

Gene Full Name utrophin

Background This gene shares both structural and functional similarities with the dystrophin gene. It contains an

actin-binding N-terminus, a triple coiled-coil repeat central region, and a C-terminus that consists of protein-protein interaction motifs which interact with dystroglycan protein components. The protein encoded by this gene is located at the neuromuscular synapse and myotendinous junctions, where it participates in post-synaptic membrane maintenance and acetylcholine receptor clustering. Mouse studies suggest that this gene may serve as a functional substitute for the dystrophin gene and therefore, may serve as a potential therapeutic alternative to muscular dystrophy which is caused by mutations in the dystrophin gene. Alternative splicing of the utrophin gene has been described; however, the full-length nature of these variants has not yet been determined. [provided by RefSeq, Jul

2008]

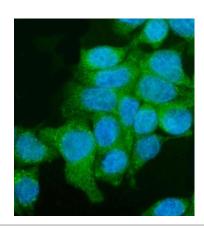
Function May play a role in anchoring the cytoskeleton to the plasma membrane. [UniProt]

Calculated Mw 395 kDa

PTM Phosphoprotein; Showing features for chain, modified residue. [UniProt]

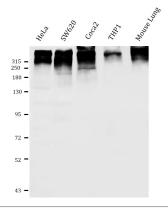
Cell membrane; Cytoplasm; Cytoskeleton; Membrane; Postsynaptic cell membrane; Synapse. [UniProt]

Images



ARG43810 anti-UTRN / Utrophin antibody ICC/IF image

Immunofluorescence: Caco2 cells were stained with ARG43810 anti-UTRN / Utrophin antibody antibody (green) at 1:100 dilution at 4°C for overnight. DAPI (blue) was used for nuclear staining.



ARG43810 anti-UTRN / Utrophin antibody WB image

Western blot: 1) HeLa cell lysates, 2) human Sw620 whole cell lysates, 3) human Caco-2 whole cell lysates, 4) human THP-1 whole cell lysates, 5) mouse lung tissue lysates stained with ARG43810 anti-UTRN / Utrophin antibody.