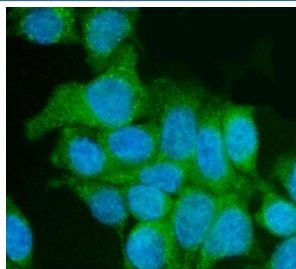


Utrophin Antibody / UTRN (RQ6404)

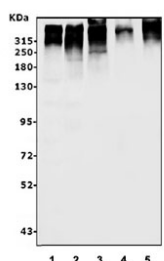
Catalog No.	Formulation	Size
RQ6404	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P46939
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Utrophin antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with Utrophin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) SW620, 3) Caco-2, 4) ThP-1 and 5) mouse lung tissue lysate with Utrophin antibody. Predicted molecular weight ~394 kDa.

Description

Utrophin is a protein that in humans is encoded by the UTRN gene. 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.

Application Notes

Optimal dilution of the Utrophin antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids L1211-K2294) was used as the immunogen for the Utrophin antibody.

Storage

After reconstitution, the Utrophin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.