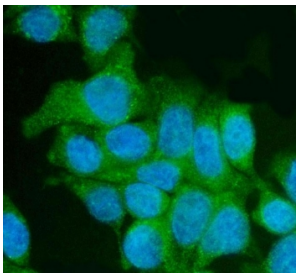
# Utrophin Antibody / UTRN (RQ6404)

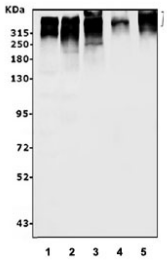
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6404 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Rabbit |
| **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<br>Immunofluorescence (FFPE) : 5ug/ml<br>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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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