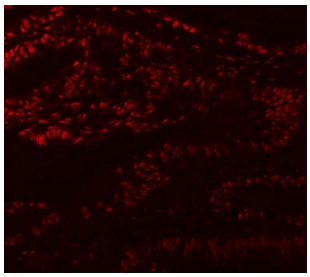
# Muscleblind-like 1 Antibody / MBNL1 (RQ5667)

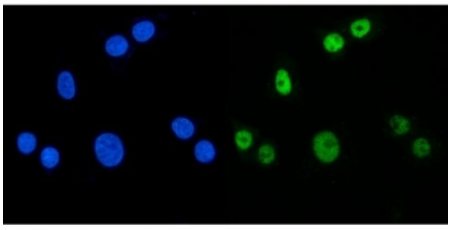
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5667 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

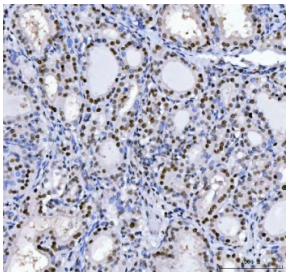
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat, Monkey |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9NR56 |
| **Localization** | Nuclear |
| **Applications** | 0.5-1ug/ml2-5ug/ml5ug/ml0.1-0.5ug/ml |
| **Limitations** | This Muscleblind-like 1 antibody is available for research use only. |



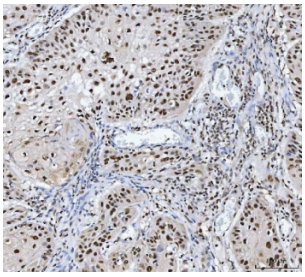
Immunofluorescent staining of FFPE human colon cancer with Muscleblind-like 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min.



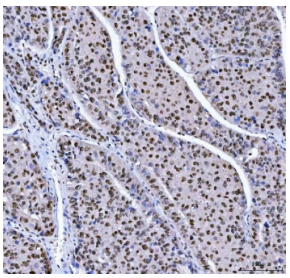
Immunofluorescent staining of FFPE human A549 cells with Muscleblind-like 1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



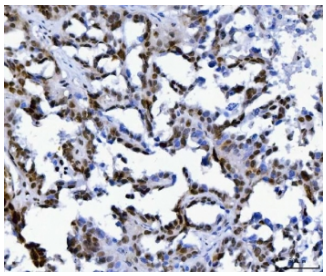
IHC staining of FFPE human thyroid cancer with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



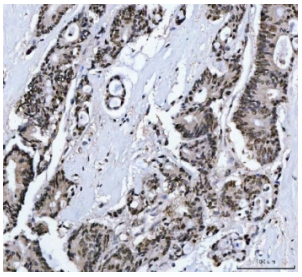
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



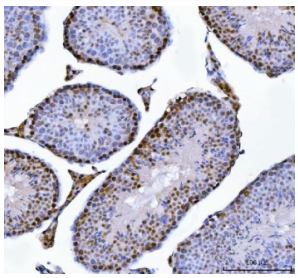
IHC staining of FFPE human liver cancer tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



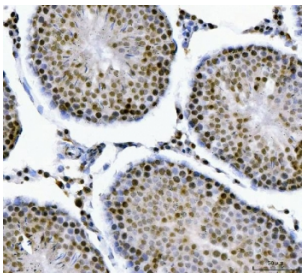
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



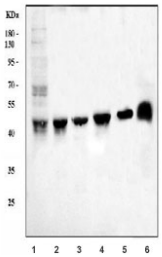
IHC staining of FFPE human colorectal adenocarcinoma tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse testis tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat testis tissue with Muscleblind-like 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of 1) human Jurkat, 2) monkey COS-7, 3) human 293T, 4) human HeLa, 5) human MOLT-4 and 6) rat heart lysate with Muscleblind-like 1 antibody. Predicted molecular weight ~42 kDa.

## Description

Muscleblind-like (Drosophila), also known as MBNL1, is a protein that in humans is encoded by the MBNL1 gene. It is mapped to 3q25.1-q25.2. This gene encodes a member of the muscleblind protein family which was initially described in Drosophila melanogaster. The encoded protein is a C3H-type zinc finger protein that modulates alternative splicing of pre-mRNAs. Muscleblind proteins bind specifically to expanded dsCUG RNA but not to normal size CUG repeats and may thereby play a role in the pathophysiology of myotonic dystrophy. Mice lacking this gene exhibited muscle abnormalities and cataracts. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. The different isoforms are thought to have different binding specificities and/or splicing activities.

## Application Notes

Optimal dilution of the Muscleblind-like 1 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids Q89-M388) was used as the immunogen for the Muscleblind-like 1 antibody.

## Storage

After reconstitution, the Muscleblind-like 1 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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