

hnRNP Q Rabbit mAb

Catalog No: #49889

Package Size: #49889-1 50ul #49889-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

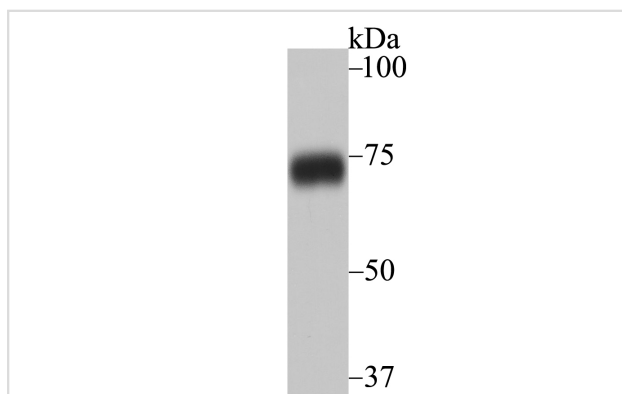
Description

| | |
|-----------------------|---|
| Product Name | hnRNP Q Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JG35-72 |
| Purification | ProA affinity purified |
| Applications | WB,ICC,IF,IHC |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | Recombinant protein to C-terminal human hnRNP Q. |
| Other Names | cytoplasmic RNA-interacting protein antibody dJ3J17.2 antibody Glycine and tyrosine rich RNA binding protein antibody Glycine- and tyrosine-rich RNA-binding protein antibody GRY RBP antibody GRY-RBP antibody GRYRBP antibody Heterogeneous nuclear ribonucleoprotein Q antibody hnRNP Q antibody HNRPQ antibody HNRPQ_HUMAN antibody HNRPQ1 antibody NS1 associated protein 1 antibody NS1-associated protein 1 antibody NSAP1 antibody pp68 antibody RP1 3J17.2 antibody Synaptotagmin binding cytoplasmic RNA interacting protein antibody Synaptotagmin-binding antibody Syncrip antibody |
| Accession No. | Swiss-Prot#:O60506 |
| Uniprot | O60506 |
| GeneID | 10492; |
| Calculated MW | 70 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

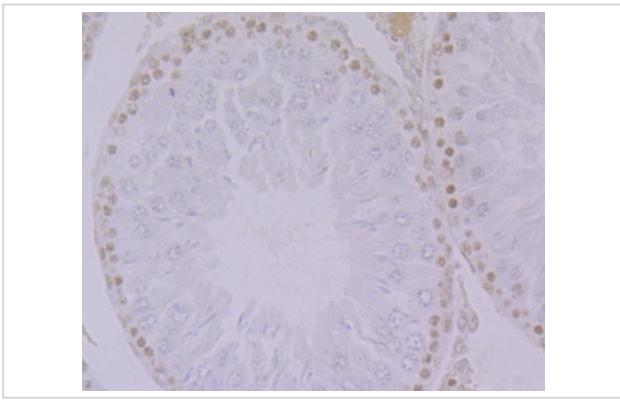
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200 ICC: 1:50-1:200

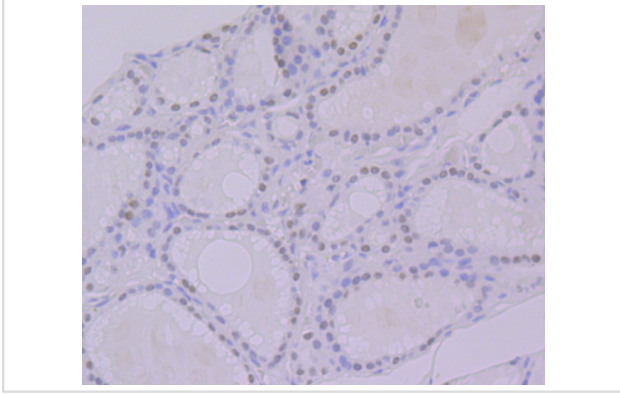
Images



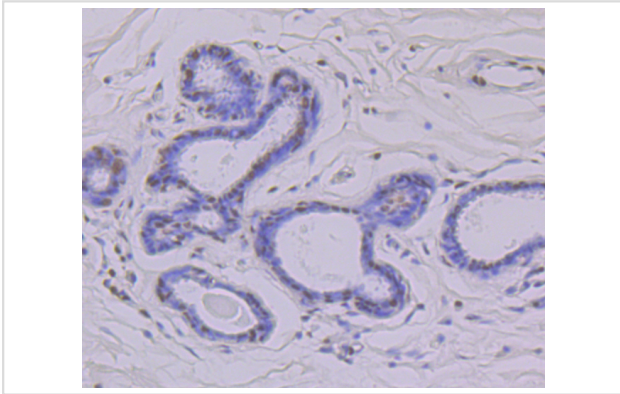
Western blot analysis of hnRNP Q on K562 cell lysate using anti-hnRNP Q antibody at 1/1,000 dilution.



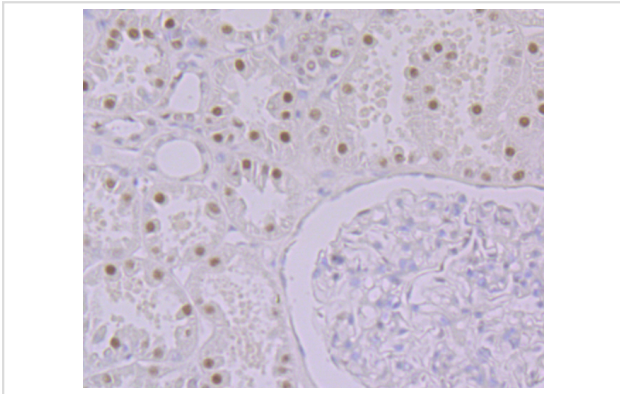
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-hnRNP Q antibody. Counter stained with hematoxylin.



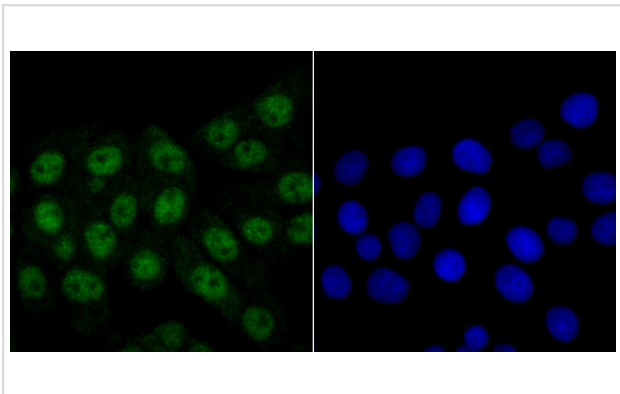
Immunohistochemical analysis of paraffin-embedded human thyroid gland tissue using anti-hnRNP Q antibody. Counter stained with hematoxylin.



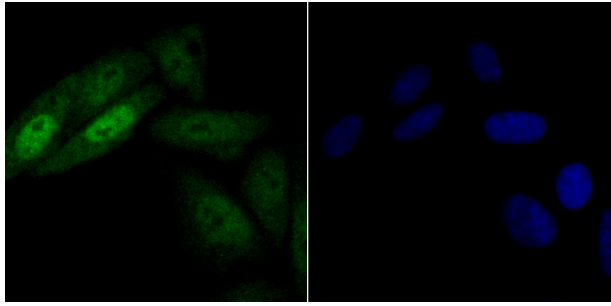
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-hnRNP Q antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-hnRNP Q antibody. Counter stained with hematoxylin.



ICC staining hnRNP Q in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining hnRNP Q in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Pre-mRNA splicing is a critical step in the posttranscriptional regulation of gene expression. Heterogeneous nuclear ribonucleoprotein Q (hnRNP Q) is involved in RNA processing and is necessary for efficient pre-mRNA splicing. hnRNP is widely expressed and developmentally regulated. hnRNP Q interacts with survival motor neuron protein (SMN). Loss of function of SMN results in spinal muscular atrophy, a common neurodegenerative disease. The most common deletion in SMN genes disrupts the interaction between SMN and hnRNP Q. hnRNP Q is upregulated after midnight, and this upregulation correlates with an abrupt decline in AANAT, the key enzyme in melatonin synthesis. Rhythmic AANAT mRNA degradation mediated in part by hnRNP Q implicates this enzyme in the regulation of circadian oscillation.

References

Note: This product is for in vitro research use only