

## Product datasheet for **TA392723**

### hnRNP Q (SYNCRIP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 241-290 of Human hnRNP Q.
Specificity:	hnRNP Q (E268) polyclonal antibody detects endogenous levels of hnRNP Q protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 65-82 kDa
Gene Name:	synaptotagmin binding cytoplasmic RNA interacting protein
Database Link:	<a href="#">Entrez Gene 10492 Human O60506</a>
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.



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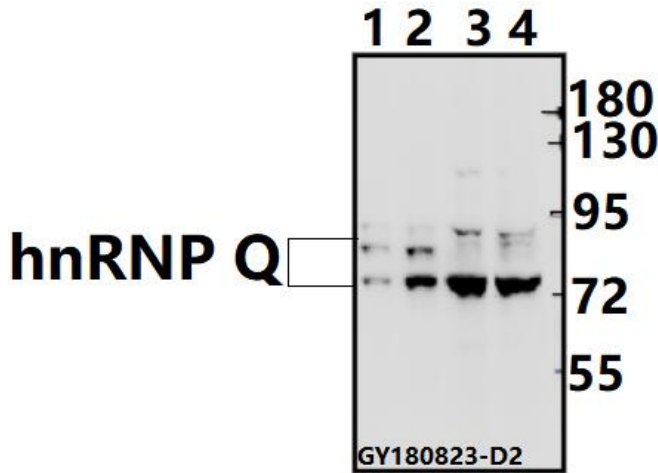
**Synonyms:**

Glycine- and tyrosine-rich RNA-binding protein; GRY-RBP; Heterogeneous nuclear ribonucleoprotein Q; hnRNP Q; HNRPQ; NS1-associated protein 1; NSAP1; Synaptotagmin-binding, cytoplasmic RNA-interacting protein; SYNCRIP

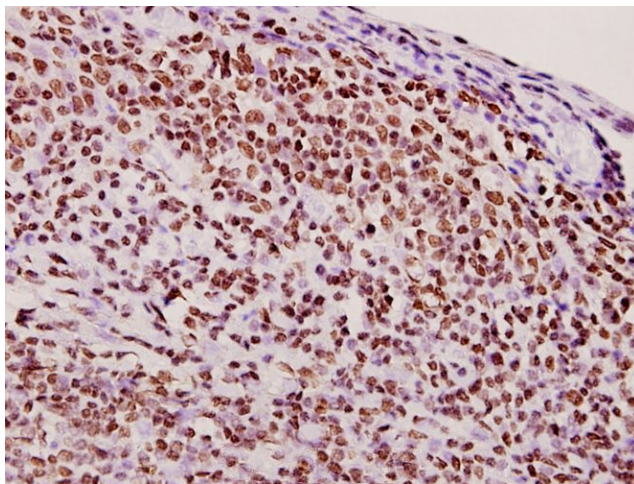
**Note:**

For research use only, not for use in diagnostic procedure.

**Product images:**



Western blot (WB) analysis of hnRNP Q (E268) pAb at 1:500 dilution Lane1:U-87MG whole cell lysate(10ug) Lane2:HCT116 whole cell lysate(10ug) Lane3:C6 whole cell lysate(40ug) Lane4:CT26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of hnRNP Q (E268) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.