

## hnRNP Q (E268) polyclonal antibody

Catalog: BCP00898

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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 up-regulated 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 65-82 kDa

### Swiss-Prot:

O60506

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

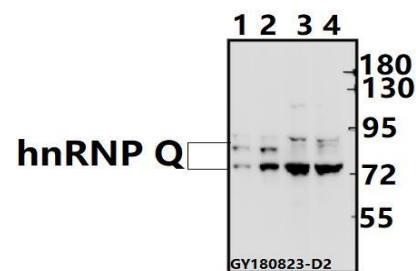
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

hnRNP Q (E268) polyclonal antibody detects endogenous levels of hnRNP Q protein.

### DATA:



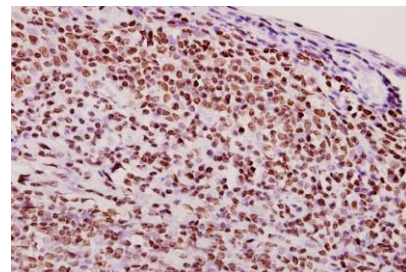
Western blot (WB) analysis of hnRNP Q (E268) pAb at 1:500 dilution

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.

### Note:

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