

## hnRNP Q Polyclonal Antibody

<b>Catalog No :</b>	YT2206
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	hnRNP Q
<b>Gene Name :</b>	SYNCRIP
<b>Protein Name :</b>	Heterogeneous nuclear ribonucleoprotein Q
<b>Human Gene Id :</b>	10492
<b>Human Swiss Prot No :</b>	O60506
<b>Mouse Gene Id :</b>	56403
<b>Mouse Swiss Prot No :</b>	Q7TMK9
<b>Rat Gene Id :</b>	363113
<b>Rat Swiss Prot No :</b>	Q7TP47
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human hnRNP Q. AA range:236-285
<b>Specificity :</b>	hnRNP Q Polyclonal Antibody detects endogenous levels of hnRNP Q protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

---

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

---

**Observed Band :** 62kD

---

**Background :** This gene encodes a member of the cellular heterogeneous nuclear ribonucleoprotein (hnRNP) family. hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA) and regulate alternative splicing, polyadenylation, and other aspects of mRNA metabolism and transport. The encoded protein plays a role in multiple aspects of mRNA maturation and is associated with several multiprotein complexes including the apoB RNA editing-complex and survival of motor neurons (SMN) complex. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 20. [provided by RefSeq, Dec 2011],

---

**Function :** domain:The domain containing eight Arg-Gly-Gly repeats may be involved in RNA-binding and protein-protein interactions.,function:Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Isoform 1, isoform 2 and isoform 3 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in v

---

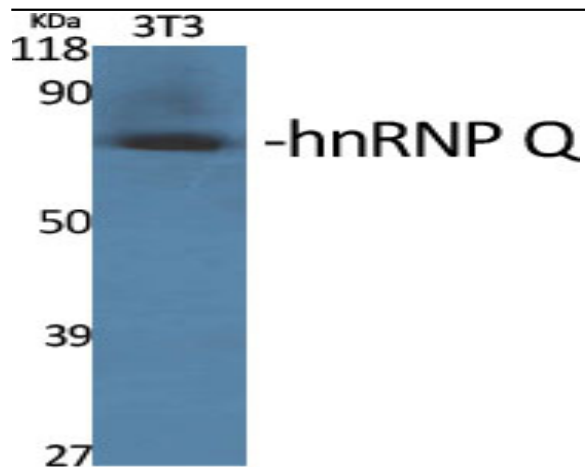
**Subcellular Location :** Cytoplasm . Microsome . Endoplasmic reticulum . Nucleus . The tyrosine phosphorylated form bound to RNA is found in microsomes (By similarity). Localized in cytoplasmic mRNP granules containing untranslated mRNAs (By similarity). .; [Isoform 1]: Nucleus, nucleoplasm . Expressed predominantly in the nucleoplasm. .; [Isoform 2]: Nucleus, nucleoplasm . Expressed predominantly in the nucleoplasm. .; [Isoform 3]: Nucleus, nucleoplasm . Expressed predominantly in the nucleoplasm. .

---

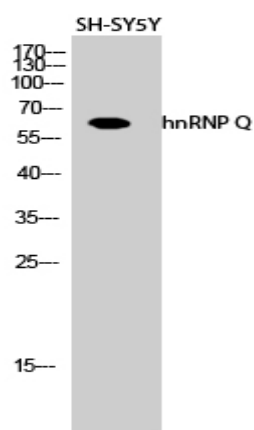
**Expression :** Ubiquitously expressed. Detected in heart, brain, pancreas, placenta, spleen, lung, liver, skeletal muscle, kidney, thymus, prostate, uterus, small intestine, colon, peripheral blood and testis.

---

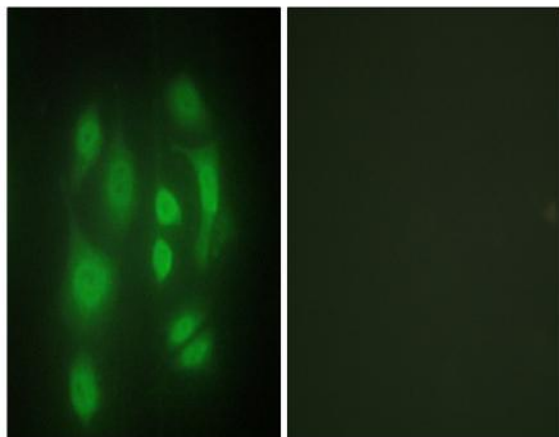
## Products Images



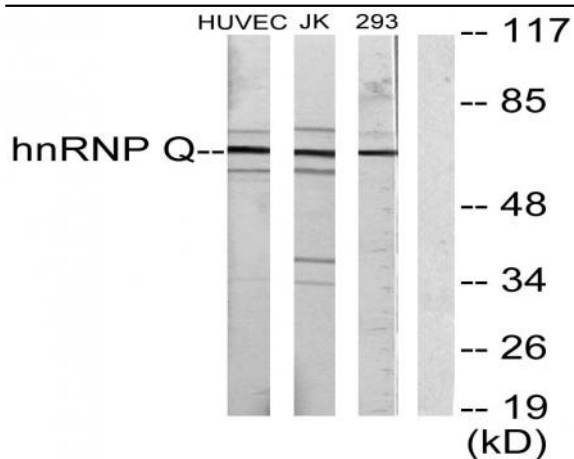
Western Blot analysis of various cells using hnRNP Q Polyclonal Antibody diluted at 1:2000



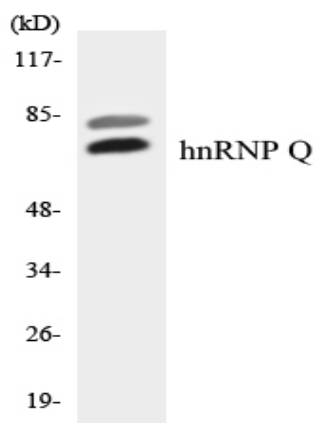
Western Blot analysis of SH-SY5Y cells using hnRNP Q Polyclonal Antibody diluted at 1:2000



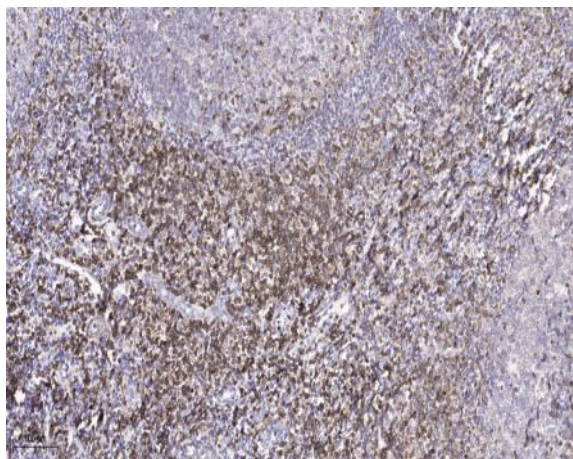
Immunofluorescence analysis of HepG2 cells, using hnRNP Q Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, HUVEC, and 293 cells, using hnRNP Q Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using hnRNP Q antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).