

hnRNP Q Antibody

Catalog No: #33599

Package Size: #33599-1 50ul #33599-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

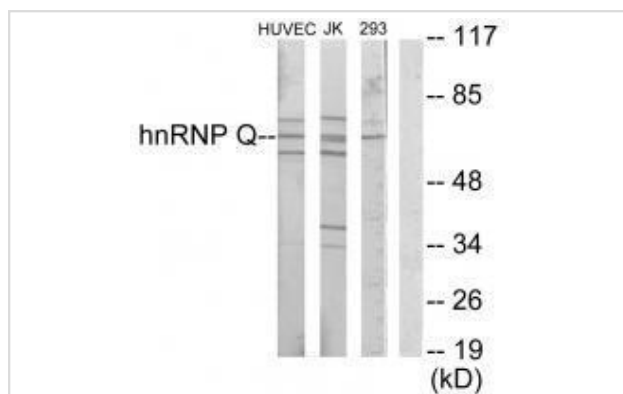
Product Name	hnRNP Q Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total hnRNP Q protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human hnRNP Q.
Target Name	hnRNP Q
Other Names	Heterogeneous nuclear ribonucleoprotein Q; hnRNP Q; hnRNP-Q; Synaptotagmin-binding; cytoplasmic RNA-interacting protein
Accession No.	Swiss-Prot: O60506NCBI Gene ID: 10492
Uniprot	O60506
GeneID	10492;
SDS-PAGE MW	62kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

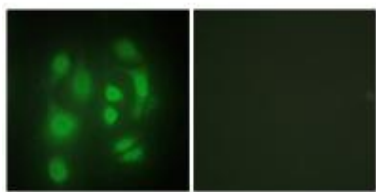
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from HUVEC cells, Jurkat cells and 293 cells, using hnRNP Q antibody #33599.

Immunofluorescence analysis of HepG2 cells, using hnRNP Q antibody #33599.



Background

Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. 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 posttranscriptional 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 vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation; seems not to be essential for GAIT complex function.

Harris C.E., J. Virol. 73:72-80(1999).

Du G., Chin. Sci. Bull. 45:343-349(2000).

Mourelatos Z., EMBO J. 20:5443-5452(2001).

Note: This product is for in vitro research use only