hnRNP Q/R Antibody



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| Applications: W, IP | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 75-82 | Source/Isotype: Rabbit | UniProt ID: #O43390, #O60506 | Entrez-Gene Id: 10236, 10492 |
|-------------------------------|------------------|--|--|---|---|--|
| Product Usage Information | | Application Western Blotting Immunoprecipitation | | | Dilution 1:1000 1:50 | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody. | | | | |
| Specificity/Sensitivity | | hnRNP Q/R Antibody detects endogenous levels of hnRNP Q and hnRNP R proteins. | | | | |
| Source / Purification | | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human hnRNP Q. Antibodies were purified by protein A and peptide affinity chromatography. | | | | |
| Background | | involved in RNA bindi 3). These two proteins alternative splice varia required for nuclear la regulates mRNA deca survival of motor neu replication (8). hnRNP hnRNP R does not du | ng, RNA biosynthes are encoded by direction and size of the control of the contro | is, and mRNA transport ferent genes but have 1-3). Methylation of ca IP Q binds to AU-rich rous orms play a crucial role (6,7) and modulating I cently and its function Il function of hnRNP Q | family of hnRNP proteint from the nucleus to to the 83% homology. hnRNI rboxy-terminal argining mRNA in conjunction we in mediating nuclear from the RNA biosynthesis and his still under investigated. Both hnRNP Q and R and both interact with the still and both interact with the still will be some still under investigated. | he cytoplasm (1- P Q has three e residues is ith AUF1 and unction of epatitis C virus ion (9), however are present in |
| Background References | | Dreyfuss, G. et al. (1993) <i>Annu Rev Biochem</i> 62, 289-321. Burd, C.G. and Dreyfuss, G. (1994) <i>Science</i> 265, 615-21. Krecic, A.M. and Swanson, M.S. (1999) <i>Curr Opin Cell Biol</i> 11, 363-71. Passos, D.O. et al. (2006) <i>Biochem Biophys Res Commun</i> 346, 517-25. Moraes, K.C. et al. (2003) <i>Biol Chem</i> 384, 25-37. Mourelatos, Z. et al. (2001) <i>EMBO J</i> 20, 5443-52. Rossoll, W. et al. (2002) <i>Hum Mol Genet</i> 11, 93-105. Liu, H.M. et al. (2009) <i>Virology</i> 386, 249-56. Hassfeld, W. et al. (1998) <i>Nucleic Acids Res</i> 26, 439-45. Carty, S.M. and Greenleaf, A.L. (2002) <i>Mol Cell Proteomics</i> 1, 598-610. | | | | |
| Species Reactiv | /ity | Species reactivity is do | etermined by testin | g in at least one appro | ved application (e.g., w | estern blot). |
| Western Blot Buffer | | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | | | | |
| Applications Key | | W: Western Blotting IP: Immunoprecipitation | | | | |

Cross-Reactivity Key

H: Human

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