| Revision 1 | | | |
|--|--------------------------------|--|--|
| DDX3 (D19B4) Rabbit mAb | Ce T E | Cell Signaling | |
| Store | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
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| Applications: W | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 75 | Source/Isotype: Rabbit IgG | UniProt ID: #O00571 | Entrez-Gene Io 1654 | | |
|--|--|--|------------------------|--|-------------------------------|---------------------------------|--|--|
| Product Usage Information | | Application Western Blotting | | | Dilution 1:1000 | | | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. | | | | | | |
| Specificity/Sensitivity | | DDX3 (D19B4) Rabbit mAb recognizes endogenous levels of total DDX3 protein. | | | | | | |
| Source / Purification | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human DDX3 protein. | | | | | | |
| The family is composed of a growing num bacteria to mammals. DEAD helicases hav ribonucleoprotein (RNP) processing (revie DDX3 is a DEAD box family RNA helicasev export of HIV-1 viral transcripts, possibly CRM1 (3). DDX3 is required for hepatitis C downregulated in hepatitis B virus (HBV) Recent evidence suggests that DDX3 func tumor cell colony formation and increase expression has been shown in HCC (5,6), a squamous cell carcinomas (6). Reduced D dependence on serum for cell proliferatic DDX3 is phosphorylated at Thr204 and Th | | | | e with diverse cellular functions. DDX3 is required for nuclear y in a complex with the viral Rev protein and host cofactor C virus (HCV) RNA replication (4) and its expression is) associated hepatocellular carcinoma (HCC) (5). nctions as a tumor suppressor protein. Its expression inhibits we expression of the cdk inhibitor p21 Waf1/Cip1. Low DDX3 , and aberrant subcellular localization occurs in many DDX3 expression in cultured cells causes a diminished ion and changes in cyclin D1 and p21 Waf1/Cip1 expression (5). Thr323 by the mitotic cyclin dependent kinase, cyclin B/cdc2. e a loss of DDX3 function and a concomitant repression of mitosis (7). | | | | |
| Background Re | ackground References 1. Rocak, S. and Linder, P. (2004) Nat Rev Mol Cell Biol 5, 232-41. 2. Linder, P. (2006) Nucleic Acids Res 34, 4168-80. 3. Yedavalli, V.S. et al. (2004) Cell 119, 381-92. 4. Ariumi, Y. et al. (2007) J Virol 81, 13922-6. 5. Chang, P.C. et al. (2006) Oncogene 25, 1991-2003. 6. Chao, C.H. et al. (2006) Cancer Res 66, 6579-88. 7. Sekiguchi, T. et al. (2007) Biochem Biophys Res Commun 356, 668-73. | | | | | | | |
| Species Reactiv | ity | Species reactivity is d | etermined by testin | g in at least one approve | ed application (e.g., | western blot). | | |
| Western Blot Bu | uffer | IMPORTANT: For wes TBS, 0.1% Tween® 20 | | e membrane with diluted primary antibody in 5% w/v BSA, 1X e shaking, overnight. | | | | |
| Applications Ke | у | W: Western Blotting | | | | | | |
| Cross-Reactivity | y Key | H: Human M: Mouse | R: Rat Mk: Monkey | / | | | | |
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