
Anti-Nibrin

Cat #: HM1248
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Nibrin is a protein involved in DNA double-strand break repair pathway. Mutations in its gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. Nibrin forms complexes with Mre11 and Rad50 and is a component of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins.

SPECIFICITY

This antibody specifically reacts with Nibrin of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of Nibrin: 95 kDa. Western blotting positive controls: HeLa

IMMUNOGEN

A synthetic peptide derived from N-terminus of human Nibrin protein.

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCES

1. Carney, J.P., Maser, R.S., Olivares, H., Davis, E.M., Le Beau, M., Yates, J.R. 3rd, Hays, L., Morgan, W.F., and Petrini, J.H. 1998. The hMre11/hRad50 protein complex and Nijmegen breakage syndrome: linkage of double-strand break repair to the cellular DNA damage response. *Cell* 93: 477-486.
2. Stracker, T.H., Carson, C.T. and Weitzman, M.D. 2002. Adenovirus oncoproteins inactivate the Mre11-Rad50-NBS1 DNA repair complex. *Nature* 418, 348-352.

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