

Product Datasheet

Mre11-Rad50-NBS1 Complex Antibody Pack NB100-914

Unit Size: 4 Vials

Store at 4C. Do not freeze.

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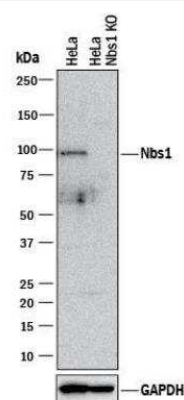


NB100-914**Mre11-Rad50-NBS1 Complex Antibody Pack**

| Product Information | |
|------------------------------------|---|
| Unit Size | 4 Vials |
| Concentration | Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services. |
| Storage | Store at 4C. Do not freeze. |
| Product Description | |
| Description | This pack contains 1 vial each of: NB100-142 (0.05 mL), NB100-143 (0.05 mL) and NB100-154 (0.1 mL). |
| Gene ID | 4361 |
| Gene Symbol | MRE11 |
| Species | Human, Mouse, Hamster |
| Reactivity Notes | See individual datasheets of components for their validated species |
| Specificity/Sensitivity | See individual datasheets. |
| Immunogen | See individual datasheets. |
| Kit Components | NB100-142: Mre11 Antibody, NB100-143: Nbs1 Antibody, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP], NB100-154: Rad50 Antibody |
| Product Application Details | |
| Applications | Western Blot, Simple Western, ELISA, Flow Cytometry, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Knockout Validated |
| Recommended Dilutions | Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunoblotting, Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated |
| Application Notes | See individual datasheets of components for their validated applications |

Images

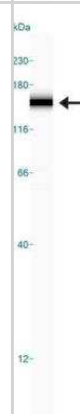
Western Blot: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914]
 - Lysates of HeLa human cervical epithelial carcinoma parental cell line and Nbs1 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:1000 of Rabbit Anti-Human Polyclonal [NB100-143] followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (HAF008). Specific band was detected for Nbs1 at approximately 95 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



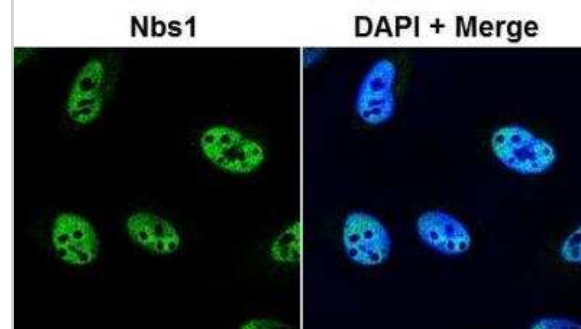
Simple Western: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - Image shows a specific band for Mre11 in 0.5 mg/mL of HeLa lysate using NB100-142. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



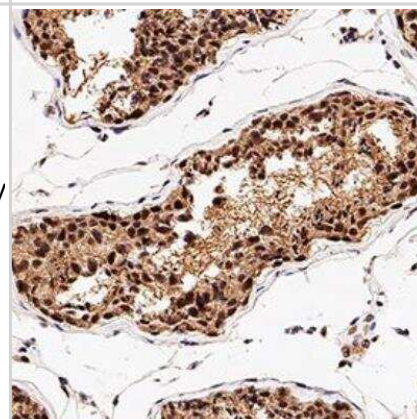
Simple Western: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - Simple Western lane view shows a specific band for Rad50 in 0.5 mg/ml of HeLa lysate using NB100-154. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



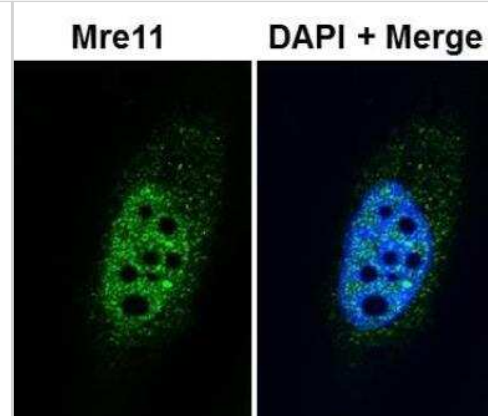
Immunocytochemistry/Immunofluorescence: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - ICC/IF analysis of Nbs1 in HeLa cells with Nbs1 Antibody [NB100-143]. Image from verified customer review.



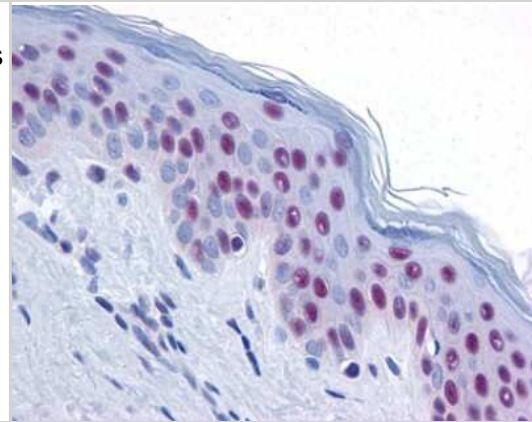
Immunohistochemistry-Paraffin: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - FFPE human testis using Nbs1 antibody [NB100-143] at 1:200 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10 mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Staining was performed by Histowiz.



Immunocytochemistry/Immunofluorescence: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - Staining of Mre11 using NB100-142 on HeLa cells. Image from verified customer review.



Immunohistochemistry: Mre11-Rad50-NBS1 Complex Antibody Pack [NB100-914] - MRE11 staining using NB100-142 in the human epidermis detected.



Publications

Takemura H, Rao VA, Sordet O et al. Defective Mre11-dependent activation of Chk2 by ataxia telangiectasia mutated in colorectal carcinoma cells in response to replication-dependent DNA double strand breaks. *J Biol Chem* 2006-10-01 [PMID: 16905549]



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Products Related to NB100-914

| | |
|-----------------|--|
| NB100-304 | 53BP1 Antibody - BSA Free |
| NB100-143 | Nbs1 Antibody |
| NB100-309 | ATM Antibody (2C1) - Azide and BSA Free |
| NB100-147-0.1ml | Rad50 Antibody (13B3) - Azide and BSA Free |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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