

Human Mre11 Antibody

Antigen Affinity-purified Polyclonal Chicken IgY Catalog Number: AF2284

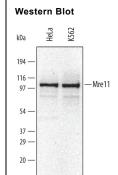
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Mre11 in Western blots.
Source	Polyclonal Chicken IgY
Purification	Antigen Affinity-purified from egg yolks
Immunogen	E. coli-derived recombinant human Mre11 Glu423-Arg708 Accession # P49959
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

DATA



Detection of Human Mre11 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and K562 human chronic myelogenous leukemia cell line. PVDF membrane was probed with 0.5 µg/mL of Human Mre11 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2284) followed by HRP-conjugated Anti-Chicken IgY Secondary Antibody. A specific band was detected for Mre11 at approximately 100 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.

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Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The Mre11 protein exhibits both exo- and endonuclease activities and is a component of the Mre11/Rad50/Nbs1 (MRN) complex. The MRN complex binds chromatin in regions of DNA double-strand breaks (DSB) during the normal cell cycle and in response to genotoxic stress, and is involved in control of DSB repair during homologous recombination.

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