

DESCRIPTION

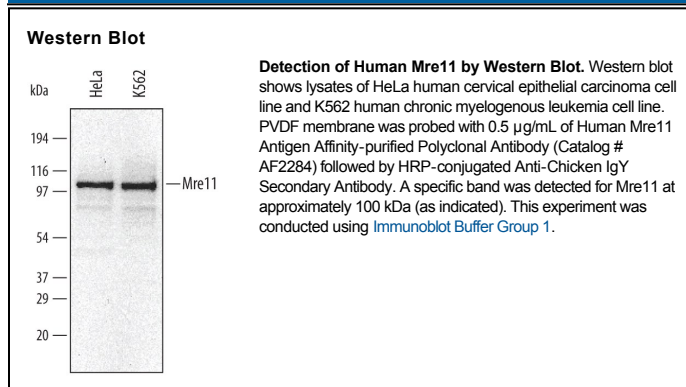
Species Reactivity	Human
Specificity	Detects human Mre11 in Western blots.
Source	Polyclonal Chicken IgY
Purification	Antigen Affinity-purified from egg yolks
Immunogen	<i>E. coli</i> -derived recombinant human Mre11 Glu423-Arg708 Accession # P49959
Formulation	Lyophilized from a 0.2 µm filtered solution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



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The 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. <ul style="list-style-type: none"> • 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.