

Mre11 polyclonal antibody

Catalog: BS90878

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Component of the MRN complex, which plays a central role in double-strand break (DSB) repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity, which are provided by MRE11. RAD50 may be required to bind DNA ends and hold them in close proximity. This could facilitate searches for short or long regions of sequence homology in the recombining DNA templates, and may also stimulate the activity of DNA ligases and/or restrict the nuclease activity of MRE11 to prevent nucleolytic degradation past a given point. The complex may also be required for DNA damage signaling via activation of the ATM kinase. In telomeres the MRN complex may modulate t-loop formation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

81 kDa

Swiss-Prot:

P49959(Human) Q61216(Mouse) Q9JIM0(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

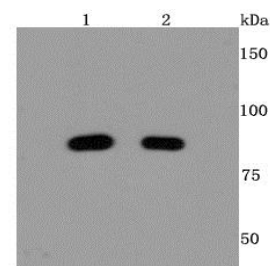
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

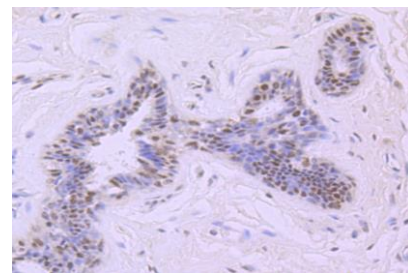
Specificity:

Mre11 polyclonal antibody detects endogenous levels of Mre11 protein.

DATA:



Western blot analysis of Mre11 on different cells lysates using anti-Mre11 antibody at 1/500 dilution. Positive control: Line 1: 293T
Line 2: HeLa



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti- Mre11 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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