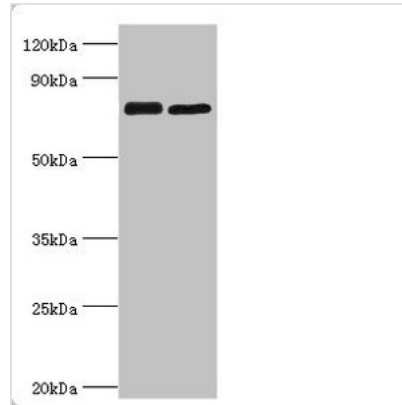




MRE11 Antibody

Product Code	CSB-PA014786ESR1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P49959
Immunogen	Recombinant Human Double-strand break repair protein MRE11 protein (1-205AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200
Relevance	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 MRE11A. 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 MRE11A 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Double-strand break repair protein MRE11 (Double-strand break repair protein MRE11A) (Meiotic recombination 11 homolog 1) (MRE11 homolog 1) (Meiotic recombination 11 homolog A) (MRE11 homolog A), MRE11, HNGS1 MRE11A
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	MRE11
Image	

**Western blot**

All lanes: Double-strand break repair protein

MRE11A antibody at 8 μ g/ml

Lane 1: 293T whole cell lysate

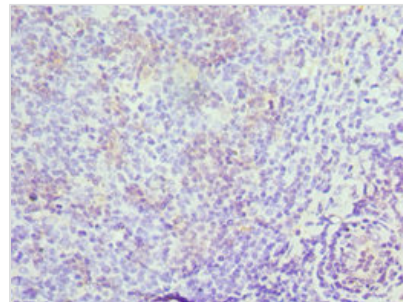
Lane 2: K562 whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 81, 78, 82 kDa

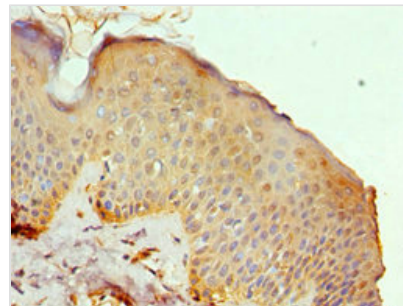
Observed band size: 81 kDa



Immunohistochemistry of paraffin-embedded

human tonsil tissue using CSB-

PA014786ESR1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded

human skin tissue using CSB-

PA014786ESR1HU at dilution of 1:100