



Rabbit Anti-Mre11 monoclonal antibody, clone KN22-29 (CABT-L951)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Mre11
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KN22-29
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Cellular Localization	Nucleus.
Positive Control	293T, Hela, human breast cancer tissue, human stomach cancer tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

BACKGROUND

Introduction

Rad52 family members (Rad50, Rad51B/C/D, Rad52, Rad54 and MRE11) mediate DNA double-strand break repair (DSBR) for DNA damage that could otherwise cause cell death, mutation or neoplastic transformation. Rad51 (RECA, BRCC5) interacts with BRCA1 and BRCA2 to influence subcellular localization and cellular response to DNA damage. BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis from deregulation of Rad51. Rad52 forms a heptameric ring that binds single-stranded DNA ends and catalyzes DNA-DNA interaction necessary for the annealing of complementary strands. Rad52 can interact with Rad51. MRE11 (meiotic recombination 11, ATLD, HNGS1) is a nuclear 3' -5' exonuclease/endonuclease that associates with RAD50 and influences homologous recombination, telomere length maintenance, and DNA double-strand break repair. MRE11 is most abundant in proliferating tissues.

Keywords

AT like disease;Ataxia telangiectasia disorder like;ATLD;DNA recombination and repair protein;Double strand break repair protein MRE11A;Double-strand break repair protein MRE11A;endo/exonuclease Mre11;HNGS1;meiotic recombination (S. cerevisiae) 11 homolog A;Meiotic recombination 11 homolog 1;meiotic recombination 11 homolog A (S. cerevisiae);Meiotic recombination 11 homolog A;MmMRE11A;Mre 11;MRE 11a;MRE 11b;MRE11 homolog 1;MRE11 homolog A;MRE11 meiotic recombination 11 homolog A (S. cerevisiae);MRE11 meiotic recombination 11 homolog A;MRE11_HUMAN;MRE11A;MRE11b;OTTHUMP00000236830;OTTHUMP00000236831;OTTHUMP00000236832;antibody