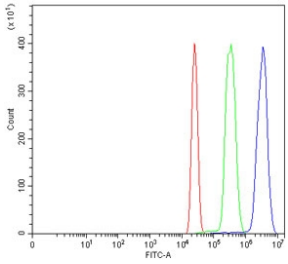
MRE11 Antibody / Meiotic recombination 11 (RQ7189)

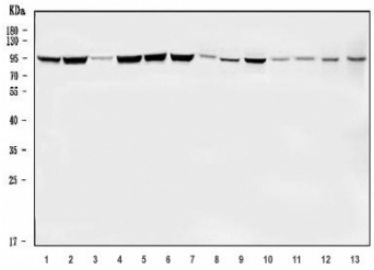
Catalog No.	Formulation	Size
RQ7189	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

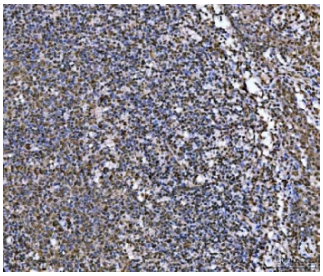
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49959
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This MRE11 antibody is available for research use only.



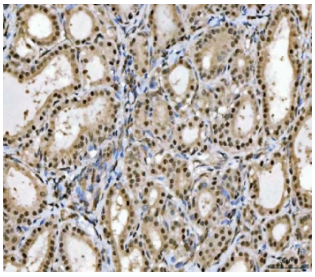
Flow cytometry testing of human HL60 cells with MRE11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MRE11 antibody.



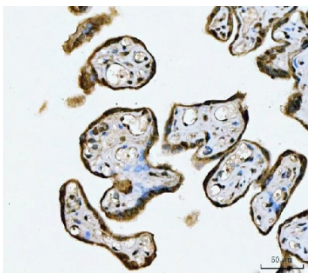
Western blot testing of 1) human A431, 2) human HeLa, 3) human Jurkat, 4) human K562, 5) human Daudi, 6) human HEL, 7) rat brain, 8) rat testis, 9) rat C6, 10) mouse brain, 11) mouse lung, 12) mouse testis and 13) mouse L929 cell lysate with MRE11 antibody. Predicted molecular weight ~81 kDa.



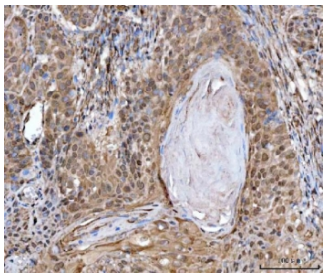
IHC staining of FFPE human tonsil tissue with MRE11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



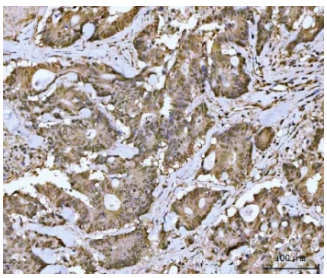
IHC staining of FFPE human thyroid cancer tissue with MRE11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with MRE11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with MRE11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectal cancer tissue with MRE11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

The MRE11 gene encodes a nuclear protein involved in homologous recombination, telomere length maintenance, and DNA double-strand break repair.

For a broader overview of MRE11 biology, DNA double-strand break repair, and MRN complex function, see our MRE11 Antibody / DNA Double-Strand Break Repair Protein Antibody page.

Application Notes

Optimal dilution of the MRE11 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E278-D498) was used as the immunogen for the MRE11 antibody.

Storage

After reconstitution, the MRE11 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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