

# Anti-Mre11 Rabbit mAb

Purified Rabbit Monoclonal Antibody

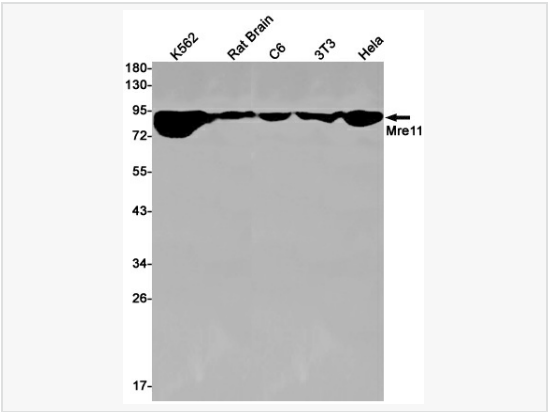
Catalog # R013220

## Product Information

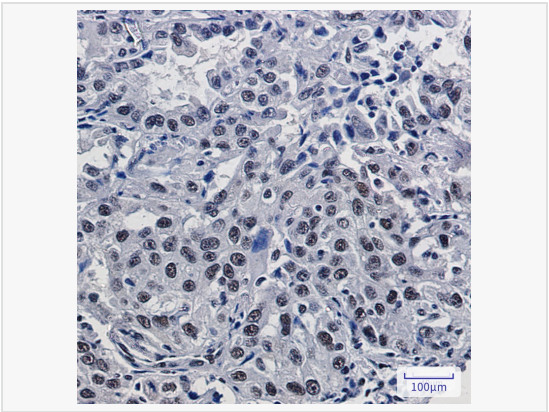
|             |                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Application | WB, IHC-P/IF (Tissue-P), ELISA                                                                                                        |
| Reactivity  | Human, Mouse, Rat                                                                                                                     |
| Dilution    | WB 1:500~1:1,000; IHC-P 1:50~1:100                                                                                                    |
| Host        | Rabbit                                                                                                                                |
| Clonality   | Monoclonal                                                                                                                            |
| Clone No.   | 52K93M22                                                                                                                              |
| Isotype     | IgG                                                                                                                                   |
| Label       | Unconjugated                                                                                                                          |
| Immunogen   | Recombinant protein of human Mre11                                                                                                    |
| Format      | Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified. |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.           |
| Precautions | Anti-Mre11 antibody [52K93M22] is for research use only and not for use in diagnostic or therapeutic procedures.                      |

## Protein Information

|               |                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms      | MRE11 homolog 1, Meiotic recombination 11 homolog A, MRE11 homolog A, MRE11A, HNGS1, MRE11.                                                                                                                                                                                                                                                                                                              |
| Calculated MW | Calculated MW: 81 kDa; Observed MW: 81 kDa                                                                                                                                                                                                                                                                                                                                                               |
| Uniprot ID    | P49959                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID       | 4361                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background    | DNA double-strand breaks are generated by ionizing radiation and endogenously produced radicals, and they often are repaired through the RAD52 homologous recombination pathway. 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. |



Western blot analysis of Mre11 in K562, rat Brain, C6, 3T3, HeLa lysates using Mre11 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Mre11 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.