

## MRE11 RABBIT PAB

**Cat.#:** S217610

**Product Name:** Anti-MRE11 Rabbit Polyclonal Antibody

**Synonyms:** ATLD; HNGS1; MRE11A; MRE11B

**UNIPROT ID:** P49959 (Gene Accession - NP\_005582 )

**Background:** This gene encodes a nuclear protein involved in homologous recombination, telomere length maintenance, and DNA double-strand break repair. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein forms a complex with the RAD50 homolog; this complex is required for nonhomologous joining of DNA ends and possesses increased single-stranded DNA endonuclease and 3' to 5' exonuclease activities. In conjunction with a DNA ligase, this protein promotes the joining of noncomplementary ends in vitro using short homologies near the ends of the DNA fragments. This gene has a pseudogene on chromosome 3. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

**Immunogen:** Fusion protein of human MRE11

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 100-300; ELISA: 2000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

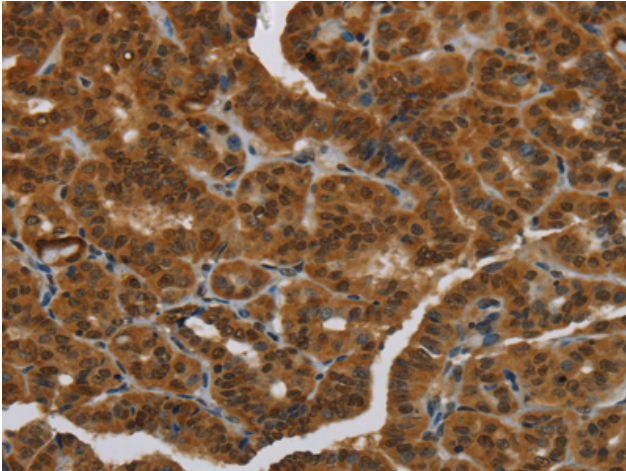
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

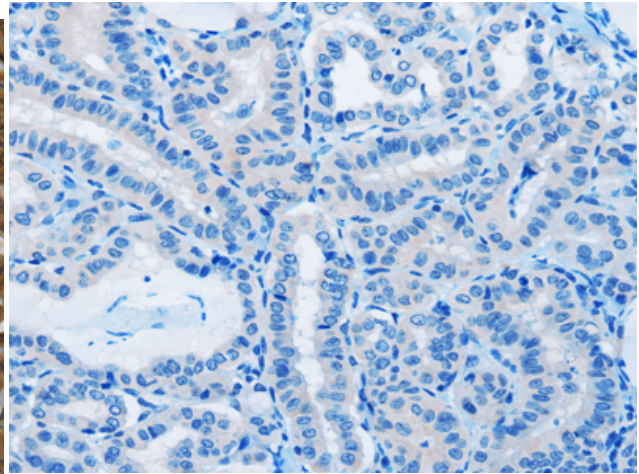
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

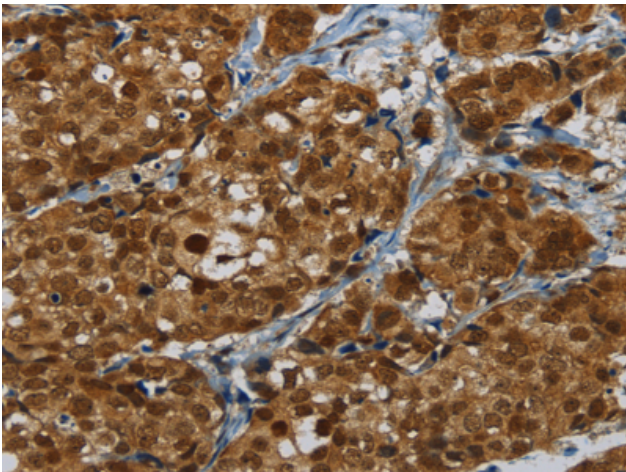
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



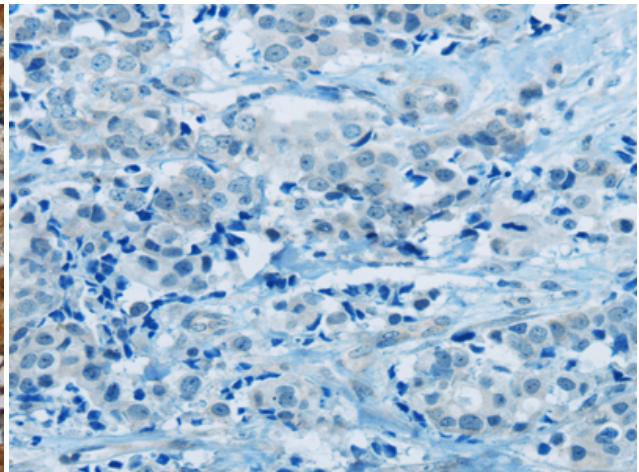
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 217610(MRE11 Antibody) at a dilution of 1/60(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 217610(Anti-MRE11 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 217610(Anti-MRE11 Antibody) at a dilution of 1/60.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with fusion protein and then with D222698(Anti-MRE11 Antibody) at dilution 1/60.