

NSMCE2 RABBIT PAB

Cat.#: S218210

Product Name: Anti-NSMCE2 Rabbit Polyclonal Antibody

Synonyms: NSE2; MMS21; ZMIZ7; C8orf36

UNIPROT ID: Q96MF7 (Gene Accession - BC032797)

Background: NSMCE2 is the E3 SUMO-protein ligase component of the SMC5-SMC6 complex, a complex involved in DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. NSMCE2 acts as a E3 ligase mediating SUMO attachment to various proteins such as SMC6L1 and TRAX and maybe the cohesin components RAD21 and STAG2. SUMO protein-ligase activity is required for the prevention of DNA damage-induced apoptosis by facilitating DNA repair.

Immunogen: Full length fusion protein

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

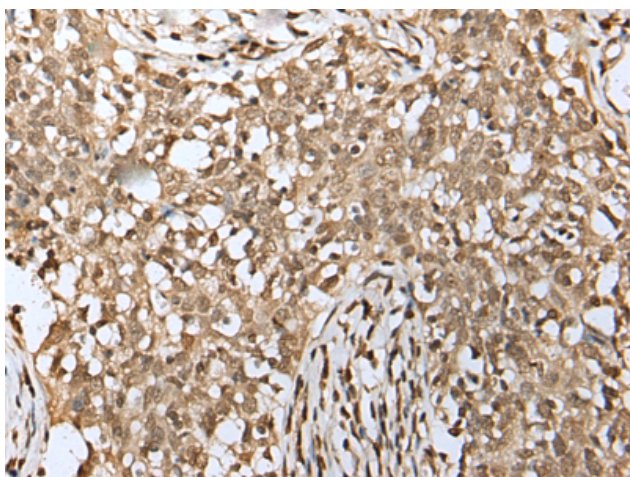
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

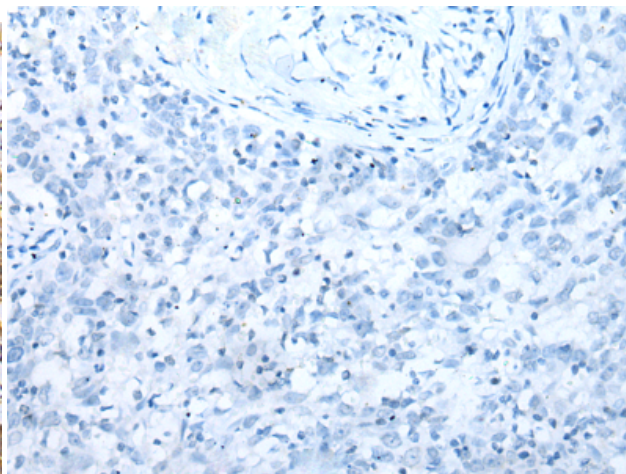
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling, Cell Biology

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



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 218210(NSMCE2 Antibody) at a dilution of 1/25(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 218210(Anti-NSMCE2 Antibody) at dilution 1/25.