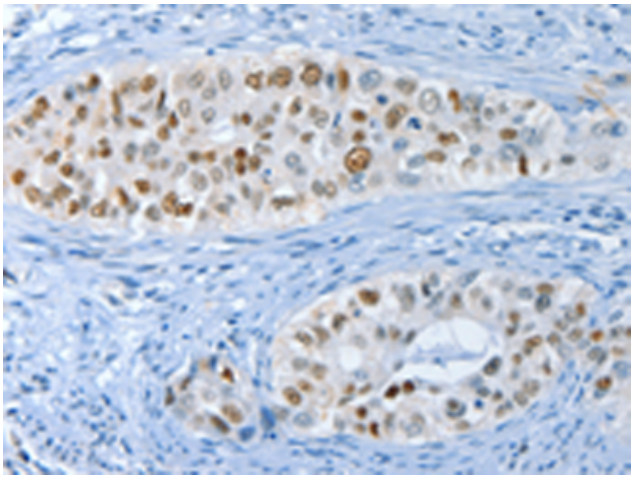
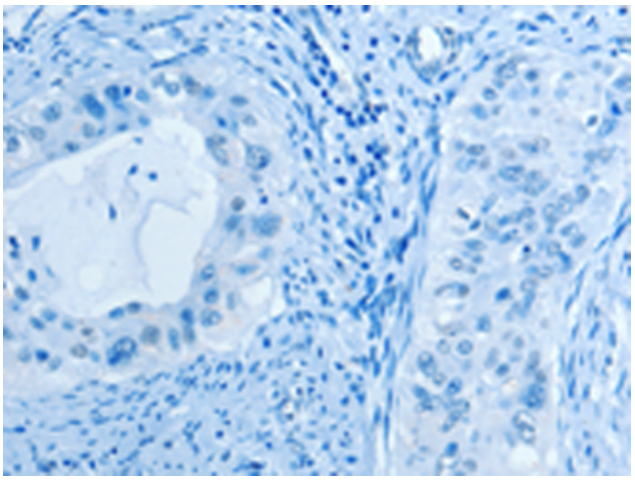
NEK4 RABBIT PAB

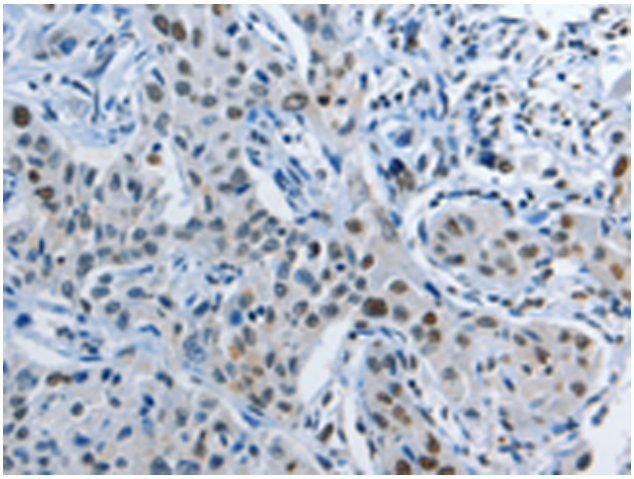
Cat.#: S220336
Product Name: Anti-NEK4 Rabbit Polyclonal Antibody
Synonyms: NRK2; STK2; pp12301
UNIPROT ID: P51957 (Gene Accession - NP_001180462)
Background: NIMA was originally shown in Aspergillus nidulans to be necessary for entry into mitosis. NIMA-related mammalian proteins have since been identified as Nek1, Nek2, Nek3 and Nek4 (also designated STK2 or NRK2). High expression of Nek1 is seen in male and female germ cell lines of mouse. Nek2 is the closest known mammalian relative to NIMA. Like NIMA, Nek2 expression peaks at the G2 to M phase transition. Nek3 is a predominantly cytoplasmic enzyme that was detectable in all organs studied. Levels of Nek3 seem to remain unchanged throughout the cell cycle, but appear to be elevated in G0-arrested, quiescent fibroblasts. In developing testicular germ cells, differential patterns of expression were seen for Nek1, Nek2 and Nek4, indicating possible overlapping, but non-identical functions.
Immunogen: Synthetic peptide of human NEK4
Applications: ELISA, IHC
Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Signal Transduction
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



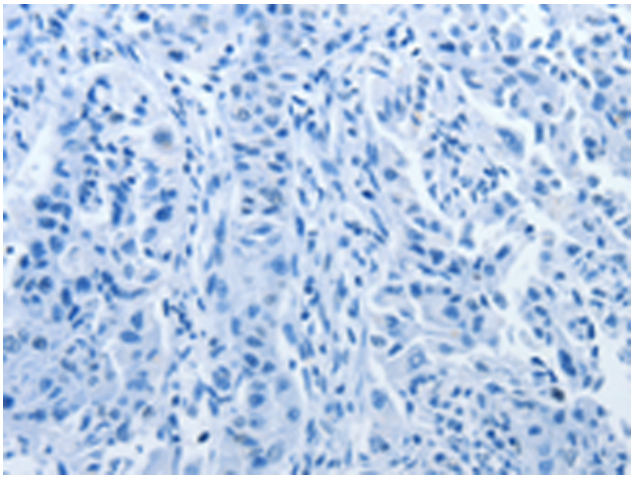
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 220336(NEK4 Antibody) at a dilution of 1/20(Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 220336(Anti-NEK4 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 220336(Anti-NEK4 Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D261378(Anti-NEK4 Antibody) at dilution 1/20.