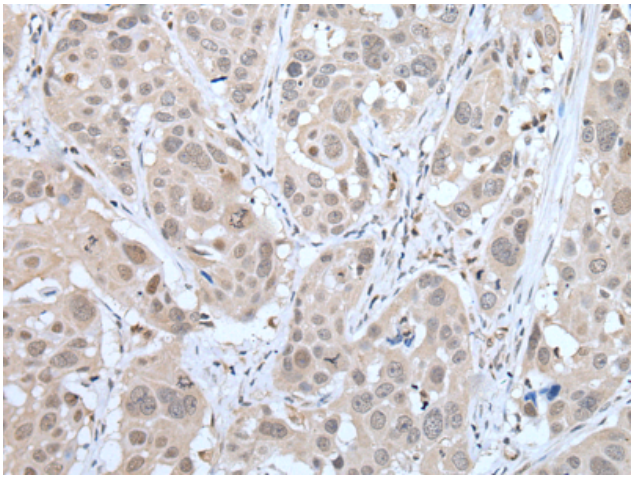
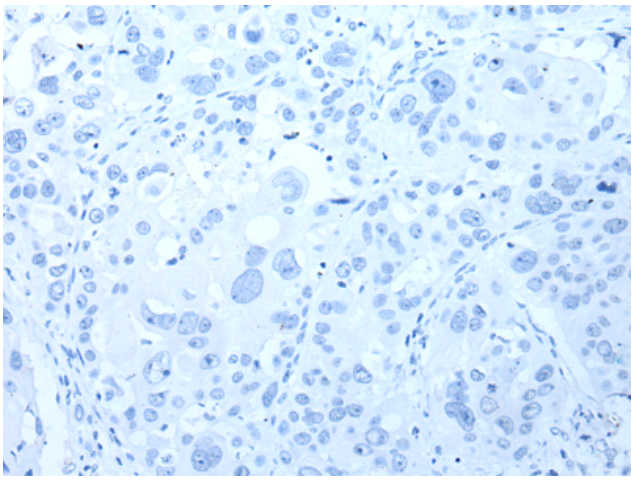
MTA3 RABBIT PAB

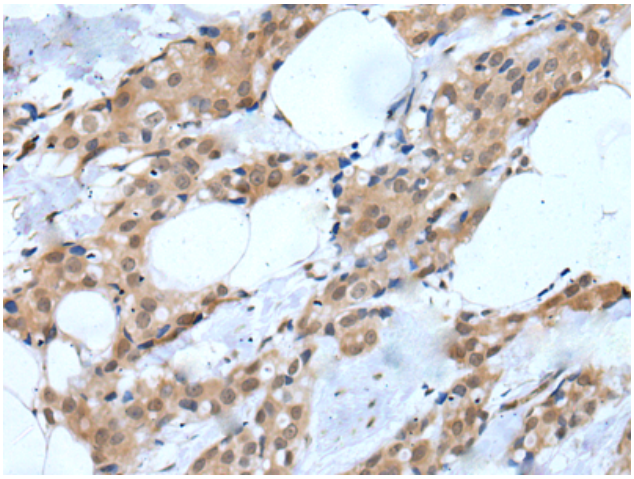
Cat.#: S215236
Product Name: Anti-MTA3 Rabbit Polyclonal Antibody
Synonyms:
UNIPROT ID: Q9BTC8 (Gene Accession - NP_001269684)
Background: Metastasis-associated protein 3 (MTA3) is a subunit of the Mi-2/NuRD transcriptional corepressor complex. MTA3 and the Mi-2/NuRD complex mediate repression of Snail in breast cancer cells where MTA3 works to maintain a differentiated, epithelial status. The protein is involved in gene expression regulation by covalent modifications of histone proteins. There are two known isoforms of MTA3, a short and a long form. The short isoform binds to ER and sequesters it to the cytoplasm and betters non-genomic responses, whereas the long form is found in the nucleus. MTA3 is widely expressed with highest expression in brain, adrenal glands, ovaries and virgin mammary glands. It has been found to be expressed in higher levels in tumors than in adjacent normal tissue in the same individual. Plays a role in maintenance of the normal epithelial architecture through the repression of SNAI1 transcription in a histone deacetylase-dependent manner, and thus the regulation of E-cadherin levels. Contributes to transcriptional repression by BCL6.
Immunogen: Synthetic peptide of human MTA3
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
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Signal Transduction, Epigenetics and Nuclear Signaling
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



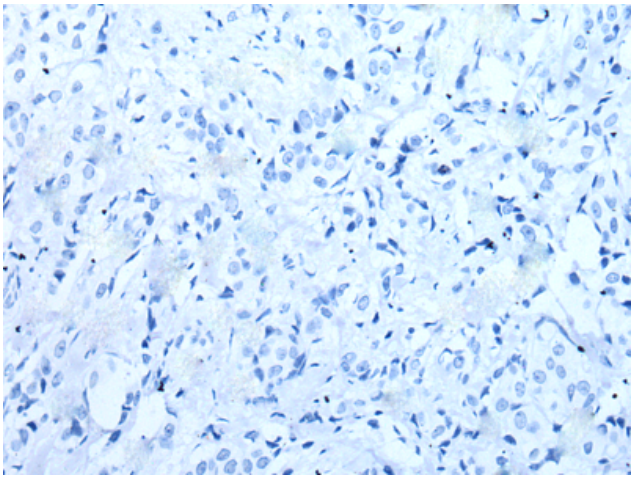
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 215236(MTA3 Antibody) at a dilution of 1/20(Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 215236(Anti-MTA3 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 215236(Anti-MTA3 Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with synthetic peptide and then with D163074(Anti-MTA3 Antibody) at dilution 1/20.