

MTA2 RABBIT PAB

Cat.#: S221284

Product Name: Anti-MTA2 Rabbit Polyclonal Antibody

Synonyms: PID; MTA1L1

UNIPROT ID: O94776 (Gene Accession - NP_004730)

Background: This gene encodes a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small gene family that encode different but related proteins involved either directly or indirectly in transcriptional regulation. Their indirect effects on transcriptional regulation may include chromatin remodeling. It is closely related to another member of this family, a protein that has been correlated with the metastatic potential of certain carcinomas. These two proteins are so closely related that they share the same types of domains. These domains include two DNA binding domains, a dimerization domain, and a domain commonly found in proteins that methylate DNA. One of the proteins known to be a target protein for this gene product is p53. Deacetylation of p53 is correlated with a loss of growth inhibition in transformed cells supporting a connection between these gene family members and metastasis.

Immunogen: Synthetic peptide of human MTA2

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

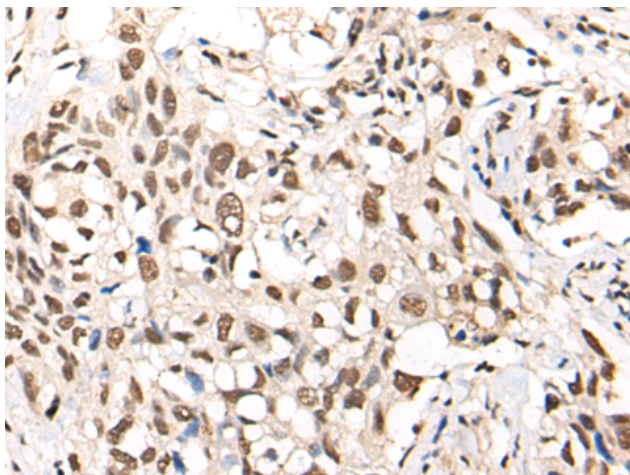
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

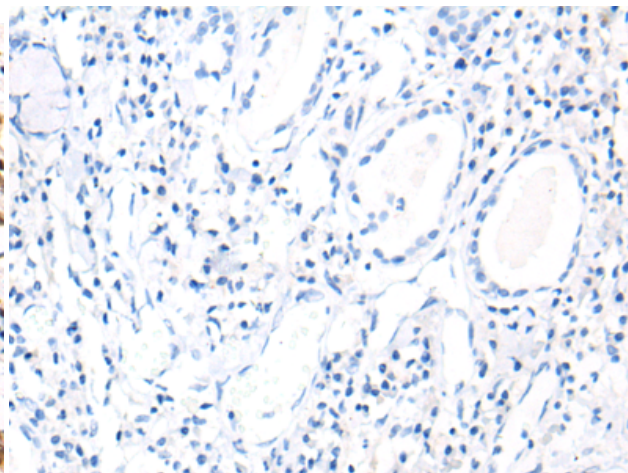
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

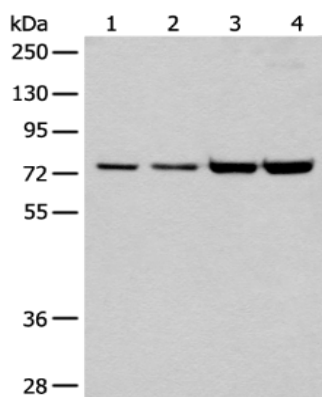
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 221284(MTA2 Antibody) at a dilution of 1/40(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the synthetic peptide and then with 221284(Anti-MTA2 Antibody) at dilution 1/40.



Gel: 8%SDS-PAGE, Lysate: 40 μ g;
 Lane 1-4: NIH/3T3, A431, 293T and HeLa cell lysates;
 Primary antibody: 221284(MTA2 Antibody) at dilution 1/400;
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
 Exposure time: 30 seconds