Product datasheet

Anti-MTA1 Antibody

Catalog Number: *BA2749*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-MTA1 Antibody
Gene Name	MTA1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MTA1, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	80 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Metastasis-associated protein MTA1 is a protein that in humans is encoded by the MTA1 gene. This gene encodes a protein that was identified in a screen for genes expressed in metastatic cells, specifically, mammary adenocarcinoma cell lines. Expression of this gene has been correlated with the metastatic potential of at least two types of carcinomas although it is also expressed in many normal tissues.By fluorescence in situ hybridization, mapped the MTA1gene to chromosome 14q32.3. MTA1 is a component of the chromatin remodeling complex that influences gene transcription by modulating target gene chromatin. MTA1 is widely upregulated in many carcinomas.

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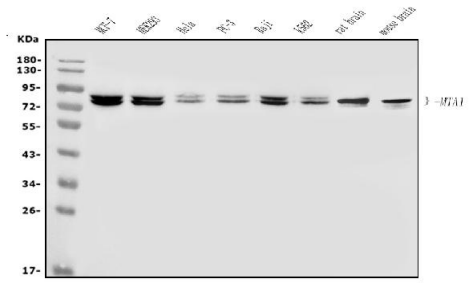
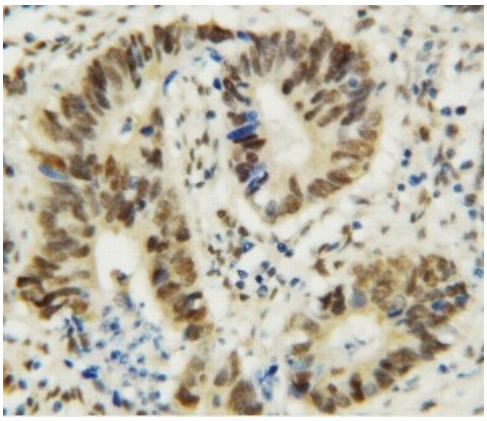
Reference

Anti-MTA1 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of MTA1 using anti-MTA1 antibody (BA2749). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human MCF-7 whole cell lysates,
Lane 2: human HEK293 whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human PC-3 whole cell lysates,
Lane 5: human Raji whole cell lysates,
Lane 6: human K562 whole cell lysates,
Lane 7: rat brain tissue lysates,
Lane 8: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MTA1 antigen affinity purified polyclonal antibody (BA2749) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MTA1 at approximately 80 kDa. The expected band size for MTA1 is at 80 kDa.



IHC analysis of MTA1 using anti-MTA1 antibody (BA2749) .
MTA1 was detected in a paraffin-embedded section of human rectal cancer tissue. The tissue section was incubated with rabbit anti-MTA1 Antibody (BA2749) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.