

Datasheet for ABIN7599519
anti-MTA2 antibody (AA 1-668)



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Overview

Quantity:	100 µg
Target:	MTA2
Binding Specificity:	AA 1-668
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-MTA2/PID Picoband® Antibody
Immunogen:	E.coli-derived human MTA2/PID recombinant protein (Position: M1-D668).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MTA2/PID Picoband® Antibody (ABIN7599519). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MTA2
Alternative Name:	MTA2 (MTA2 Products)
Background:	Synonyms: Metastasis-associated protein MTA2, Metastasis-associated 1-like 1, MTA1-L1 protein, p53 target protein in deacetylase complex, MTA2, MTA1L1, PID Tissue Specificity: Expressed in skeletal muscle, kidney, heart, placenta, liver, thymus, lung, and ovary, with little or no expression in other tissues. Background: Metastasis-associated protein MTA2 is a protein that in humans is encoded by the MTA2 gene. It is mapped to 11q12.3. 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 ly or inly in transcriptional regulation. Their in 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.
Molecular Weight:	75 kDa
Gene ID:	9219
UniProt:	O94776
Pathways:	Chromatin Binding

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cui, Q., Matsusue, K., Toh, Y., Kono, A., Takiguchi, S. Assignment of the metastasis-associated gene (Mta1) to mouse chromosome band 12F and the metastasis-associated gene
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Application Details

2 (Mta2) to mouse chromosome band 19B by fluorescence in situ hybridization. Cytogenet. Cell Genet. 94: 246-247, 2001. 2. Futamura, M., Nishimori, H., Shiratsuchi, T., Saji, S., Nakamura, Y., Tokino, T. Molecular cloning, mapping, and characterization of a novel human gene, MTA1-L1, showing homology to a metastasis-associated gene, MTA1. J. Hum. Genet. 44: 52-56, 1999. 3. Luo, J., Su, F., Chen, D., Shiloh, A., Gu, W. Deacetylation of p53 modulates its effect on cell growth and apoptosis. Nature 408: 377-381, 2000.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.