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Technical Data Sheet

Product name:
antibody directed against hMTA2

(Human Metastasis-Associated protein MTA2)

Other names: Metastasis-associated 1-like 1, MTA1L1 protein, MTA1L1, PID

Catalog #: pAb-032-050	**Type:** Polyclonal	**Size:** 50 µg/ 25 µl
Lot #: 001	**Source:** Rabbit	**Concentration:** 2.0 µg/µl

Description: This antibody has been raised against recombinant human MTA2 protein.

MTA2 may be involved in the regulation of gene expression as repressor and activator (see overview below).

Specificity: Human: positive
Other species: not tested

Applications	Suggested dilution	References
ELISA	Not tested	
Dot blotting	Not tested	
Western blotting	1:1,000	Fig 1
Gel Supershift	Not tested	
Immunochemistry	Not tested	
Flow cytometry	Not tested	
Immunoprecipitation	Not tested	
ChIP	Not tested	

Format: In solution in PBS including 0.05% azide and 0.05% ProClin 300. The polyclonal antibody has been protein G purified.

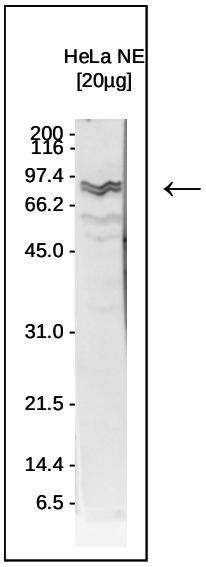
Storage: For long storage, store at -20°C/ -80°C. Do not freeze-thaw.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Availability date: April 13, 2007. Last data sheet update: August 3, 2007

Lot #: 001/ purification day: March 26, 2007

Figure 1



Western blot analysis using the Diagenode purified antibody anti-hMTA2.

Western blot was performed using nuclear extracts from HeLa cells (HeLa NE, 20 µg) and the Diagenode antibody directed against hMTA2 (cat# pAb-032-050) at dilution 1:1,000 in TBS-Tween + 5% skimmed milk. On the left side, a molecular weight marker is shown (in kDa). The arrow indicates the location of the protein of interest.

Overview

The repression might be related to covalent modification of histone proteins. MTA2 is a component of the nucleosome-remodeling and histone-deacetylase multiprotein complex (NuRD) and interacts with HDAC7, p53/TP53, MINT and MBD3MTA2 (UniProtKB/Swiss-Prot entry O94776: http://www.expasy.org/uniprot/O94776).