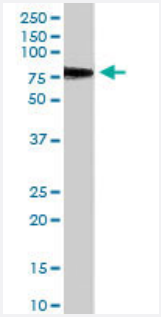
# MTA1 polyclonal antibody

Catalog # PAB6053 Size 100 ug

## Applications




### Western Blot (Tissue lysate)

MTA1 polyclonal antibody (Cat # PAB6053) staining (0.03 ug/mL) of human placenta lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

## Specification

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|---|---|
| **Product Description** | Goat polyclonal antibody raised against synthetic peptide of MTA1. |
| **Immunogen** | A synthetic peptide corresponding to human MTA1. |
| **Sequence** | C-PGDVFYMPKE |
| **Host** | Goat |
| **Theoretical MW (kDa)** | 80.8 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Concentration** | 0.5 mg/mL |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | ELISA (1:16000)<br>Western Blot (0.03-0.1 ug/mL)<br>The optimal working dilution should be determined by the end user. |

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|---|---|
| **Storage Buffer** | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MTA1

| | |
|---|---|
| **Entrez GeneID** | 9112 |
| **Protein Accession#** | NP_004680.1 |
| **Gene Name** | MTA1 |
| **Gene Alias** | - |
| **Gene Description** | metastasis associated 1 |
| **Omim ID** | 603526 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a protein that was identified in a screen for genes expressed in metastatic cel ls, 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 m any normal tissues. The role it plays in metastasis is unclear. It was initially thought to be the 70kD component of a nucleosome remodeling deacetylase complex, NuRD, but it is more likely that this component is a different but very similar protein. These two proteins are so closely related, though , 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. The profile a nd activity of this gene product suggest that it is involved in regulating transcription and that this m ay be accomplished by chromatin remodeling. [provided by RefSeq |
| **Other Designations** | metastasis associated gene 1 protein\|metastasis associated protein |

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## Publication Reference

- A novel candidate metastasis-associated gene, mta1, differentially expressed in highly metastatic mammary adenocarcinoma cell lines. cDNA cloning, expression, and protein analyses.

  Toh Y, Pencil SD, Nicolson GL.

  The Journal of Biological Chemistry 1994 Sep; 269(37):22958.

## Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Neoplasm Metastasis
- Neoplasms
- Obesity

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