Mouse MTA1 Monoclonal Antibody | anti-MTA1 antibody

MTA1 (Metastasis Associated 1) (HRP)

CATALOG #	HOST	APPLICATIONS
AAA26444	**Mouse**	**Immunofluorescence, Western Blot**

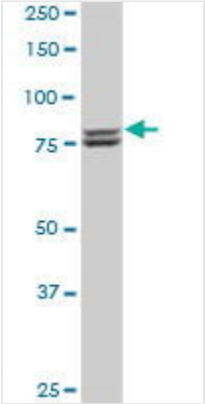
PRODUCT SYNONYMS

MTA1; Monoclonal Antibody; MTA1 (Metastasis Associated 1) (HRP); Metastasis Associated 1; anti-MTA1 antibody

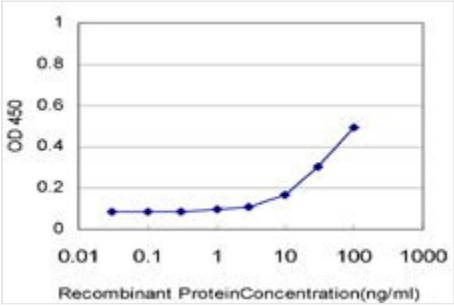
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	4D11
Specificity	Recognizes MTA1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Sequence Length	715
Applicable Applications for anti-MTA1 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	MTA1 (NP_004680, 601aa-700aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MPSRGLANHGQTRHMGPSRNLLLNGKSYPTKVRLIRGGSLPPVKRRRMNWIDAPDDVFYMATEETRKIRKLLSSSETKRAARRPYKPIALRQSQALPPRP
Conjugate	HRP
Preparation and Storage	May be stored at 4 degree C. For long-term storage, aliquot and store at 4 degree C. Do not freeze. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

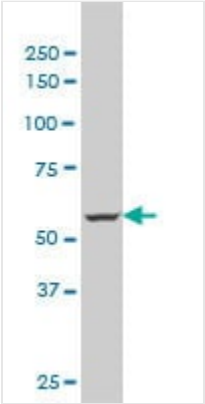
IMAGES



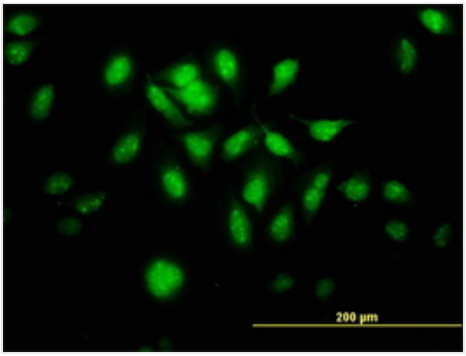
WB (Western Blot)
MTA1 monoclonal antibody (M02), clone 4D11. Western Blot analysis of MTA1 expression in PC-12 (Cat # L012V1).



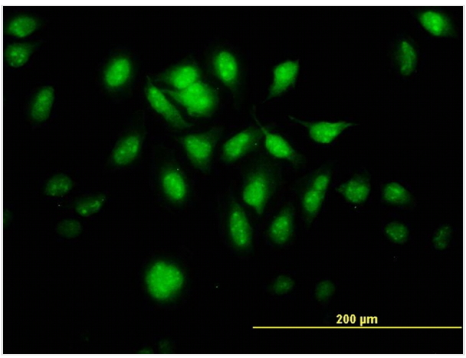
Application Data
Detection limit for recombinant GST tagged MTA1 is approximately 3ng/ml as a capture antibody.



WB (Western Blot)
MTA1 monoclonal antibody (M02), clone 4D11. Western Blot analysis of MTA1 expression in NIH/3T3 (Cat # L018V1).



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MTA1 on HeLa cell. [antibody concentration 10 ug/ml]



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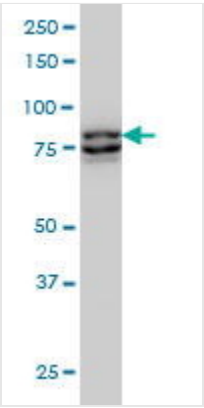
Immunofluorescence of monoclonal antibody to MTA1 on HeLa cell. [antibody concentration 10 ug/ml]



WB (Western Blot)
MTA1 monoclonal antibody (M02), clone 4D11 Western Blot analysis of MTA1 expression in Hela S3 NE (Cat # L013V3).

ADDITIONAL INFORMATION

Related Product Information for anti-MTA1 antibody	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. 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 and activity of this gene product suggest that it is involved in regulating transcription and that this may be accomplished by chromatin remodeling. [provided by RefSeq]
Product Categories/Family for anti-MTA1 antibody	Antibodies; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527080
NCBI GeneID	9112
NCBI Accession #	NP_004680
NCBI GenBank Nucleotide #	NP_004680.2
UniProt Accession #	Q13330
NCBI Official Full Name	metastasis-associated protein MTA1 isoform MTA1
NCBI Official Synonym Full Names	metastasis associated 1
NCBI Official Symbol	MTA1
NCBI Protein Information	metastasis-associated protein MTA1
UniProt Protein Name	Metastasis-associated protein MTA1
UniProt Gene Name	**MTA1**
UniProt Entry Name	MTA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/mta1-antibody-clone-4d11-immunofluorescence-western-blot-elisa/26444