

Mouse anti-Human MTA2 Monoclonal Antibody | anti-MTA2 antibody

MTA2 Mouse mAb

CATALOG # AAA62321	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

MTA2; Monoclonal Antibody; MTA2 Mouse mAb; anti-MTA2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	495
Applicable Applications for anti-MTA2 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human MTA2
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



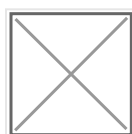
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling MTA with M25055 at 1/200 dilution (green) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, red). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.All lanes : MTA Mouse mAb at 1/2000 dilutionLane 1 : Jurkat cells membrane fractionLane 2 : THP1 cells membrane fractionLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilutionPredicted band size : 75 KDaObserved band size : 75 KDaBlocking/Dilution buffer : 1x TBST.



IP (Immunoprecipitation)

MTA was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25055 of 10 ug. Western blot was performed from the immunoprecipitate using M25055 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MTA2 antibody	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 directly or indirectly in transcriptional regulation. Their indirect 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.
Product Categories/Family for anti-MTA2 antibody	Cell Marker; Subcellular Marker; Nucleoplasma

NCBI AND UNIPROT INFORMATION

NCBI GI #	1060099369
NCBI GeneID	9219
NCBI Accession #	NP_001317221.1
NCBI GenBank Nucleotide #	NM_001330292.1
UniProt Accession #	O94776; Q68DB1; Q9UQB5
Molecular Weight	Predicted MW: 75kDa
NCBI Official Full Name	metastasis-associated protein MTA2 isoform 2
NCBI Official Synonym Full Names	metastasis associated 1 family member 2
NCBI Official Symbol	MTA2
NCBI Official Synonym Symbols	PID; MTA1L1
NCBI Protein Information	metastasis-associated protein MTA2
UniProt Protein Name	Metastasis-associated protein MTA2
UniProt Gene Name	MTA2
UniProt Synonym Gene Names	MTA1L1; PID; MTA1-L1 protein

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mta2-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62321>