



MTA2 blocking peptide (CDBP5917)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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. [provided by RefSeq, May 2011]

Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name [MTA2 metastasis associated 1 family, member 2 \[Homo sapiens \(human\) \]](#)

Official Symbol	MTA2
Synonyms	MTA2; metastasis associated 1 family, member 2; PID; MTA1L1; metastasis-associated protein MTA2; MTA1-L1 protein; metastasis-associated 1-like 1; metastasis-associated protein 2; metastasis -associated gene 1-like 1; p53 target protein in deacetylase complex; metastasis associated gene family, member 2
Entrez Gene ID	9219
mRNA Refseq	NM_004739
Protein Refseq	NP_004730
UniProt ID	O94776
Pathway	Chromatin modifying enzymes; Chromatin organization; EGFR1 Signaling Pathway; Gene Expression; HDACs deacetylate histones; RNA Polymerase I Promoter Clearance; RNA Polymerase I Transcription; RNA Polymerase I Transcription Initiation
Function	contributes_to RNA polymerase II core promoter proximal region sequence-specific DNA binding; contributes_to RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II repressing transcription factor binding; RNA polymerase II transcription factor binding; histone deacetylase activity; contributes_to nucleosomal DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription factor binding transcription factor activity; zinc ion binding