

Product datasheet for **TA332151**

MTA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-MTA1 Antibody: synthetic peptide directed towards the C terminal of human MTA1. Synthetic peptide located within the following region: MPSRGLANHGQARHMGPSRLLLLNGKSYPTKVRLIRGGSLPPVKRRRMNW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	metastasis associated 1
Database Link:	NP_004680 Entrez Gene 9112 Human Q13330



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Background:

MTA1 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. MTA1 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.

Synonyms:

metastasis associated 1; metastasis associated gene 1 protein; metastasis associated protein

Note:

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

Protein Families:

Druggable Genome, Transcription Factors

Product images:

WB Suggested Anti-MTA1 Antibody Titration:
2.5ug/ml; ELISA Titer: 1: 62500; Positive Control:
Jurkat cell lysate MTA1 is strongly supported by
BioGPS gene expression data to be expressed in
Human Jurkat cells