

产品名称: MTA1 Rabbit Polyclonal Antibody
产品货号: AP Rab14198



产品概述 (Summary)

产品名称 (Production Name)	MTA1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MTA1
别名 (Alternative Names)	MTA1; Metastasis-associated protein MTA1
基因 ID (Gene ID)	9112.0
蛋白 ID (SwissProt ID)	Q13330.The antiserum was produced against synthesized peptide derived from human MTA1. AA range:171-220

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	80kDa

研究背景 (Background)

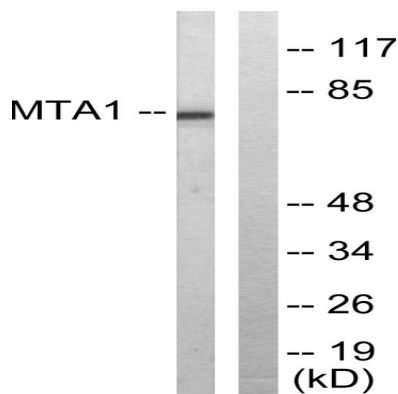
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This gene encodes a protein that was identified in a screen for genes expressed in metastatic cells, specifically, mammary adenocarcinoma cell lines. Expression of this gene has been correlated with the metastatic potential of at least two types of 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. **developmental stage:** Highly expressed in metastatic cells. **function:** May be involved in the regulation of gene expression by covalent modification of histone proteins. The long isoform is a corepressor of estrogen receptor (ER). The short isoform binds to ER and sequesters it in the cytoplasm and enhances non-genomic responses of ER. **miscellaneous:** The short isoform contains a Leu-Arg-Ile-Leu-Leu motif (ER binding motif). **similarity:** Contains 1 BAH domain. **similarity:** Contains 1 ELM2 domain. **similarity:** Contains 1 GATA-type zinc finger. **similarity:** Contains 1 SANT domain. **subunit:** Component of the nucleosome-remodeling and histone-deacetylase multiprotein complex (NuRD). Interacts with HDAC1 and ITGB3BP/CENPR. **tissue specificity:** Widely expressed. High expression in brain, ovaries, adrenal glands and virgin mammary glands. Higher in tumors than in adjacent normal tissue from the same individual.

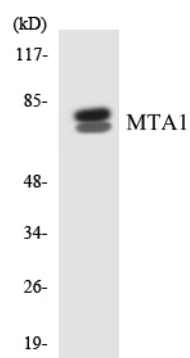
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using MTA1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from K562 cells using MTA1 antibody.

注意事项 (Note)

For research use only .