

For Research Use Only

MTA1 Polyclonal antibody

Catalog Number: 30545-1-AP

1 Publications



Basic Information

Catalog Number:

30545-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30994

GenBank Accession Number:

NM_004689

GeneID (NCBI):

9112

UNIPROT ID:

Q13330

Full Name:

metastasis associated 1

Calculated MW:

81 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, HeLa cells, NIH/3T3 cells, HEK-293T cells, MCF-7 cells

IHC: human prostate cancer tissue, human skin cancer tissue, rat cerebellum tissue

IF/ICC: MCF-7 cells,

Background Information

Metastasis-associated protein 1 (MTA1) is a member of the MTA family which is involved in regulating DNA-based biological processes (PMID: 25332144). MTA1 is an integral part of nucleosome remodeling histone deacetylase complex (NuRD complex) and regulates nucleosome remodeling and deacetylation by stabilizing the NuRD complex and related proteins (PMID: 12419236). MTA1 expression is associated with tumor malignancy in several cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Sihang Zhou	39005375	bioRxiv	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

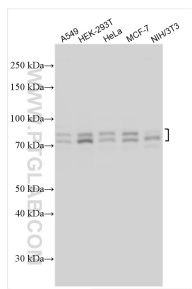
T: 4006900926

E: Proteintech-CN@ptglab.com

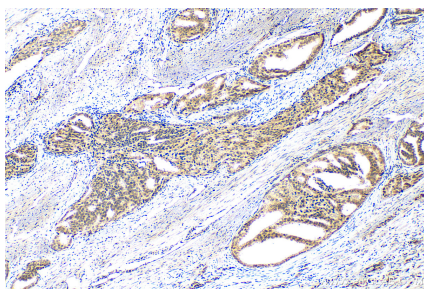
W: ptgcn.com

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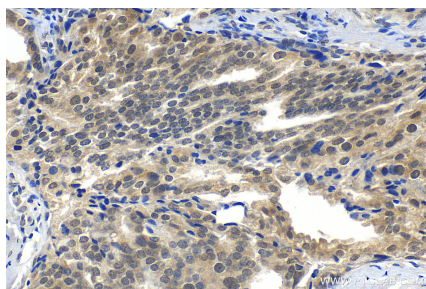
Selected Validation Data



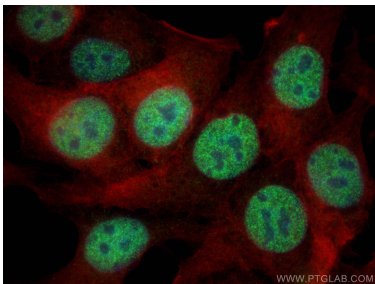
Various lysates were subjected to SDS PAGE followed by western blot with 30545-1-AP (MTA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 30545-1-AP (MTA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 30545-1-AP (MTA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using MTA1 antibody (30545-1-AP) at dilution of 1:800 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).