

For Research Use Only

# MTA3 Recombinant antibody

Catalog Number: 83042-3-RR



## Basic Information

<b>Catalog Number:</b> 83042-3-RR	<b>GenBank Accession Number:</b> BC053631	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 57504	<b>CloneNo.:</b> 230350D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BTC8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> metastasis associated 1 family, member 3	
<b>Immunogen Catalog Number:</b> AG6400	<b>Calculated MW:</b> 68 kDa	
	<b>Observed MW:</b> 62 kDa, 68 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA, FC (Intra)	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse	<b>WB:</b> Jurkat cells, A375 cells, NIH/3T3 cells, C2C12 cells, MCF-7 cells, Raji cells
	<b>IF/ICC:</b> U-251 cells,

## Background Information

The metastasis-associated (MTA) family contains three members, MTA1, MTA2 and MTA3 (PMID:12167865). Metastasis-associated protein 3 (MTA3) is a cell-type specific component of the Mi-2-NURD transcriptional co-repressor complex. It has a role in maintenance of the normal epithelial architecture through the repression of SNAI1 transcription in a histone deacetylase-dependent manner, and thus the regulation of E-cadherin levels.

## 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:

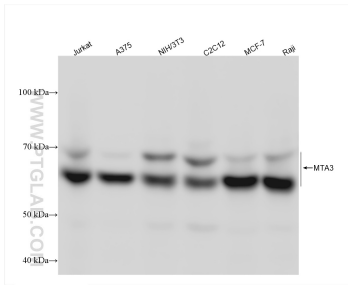
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

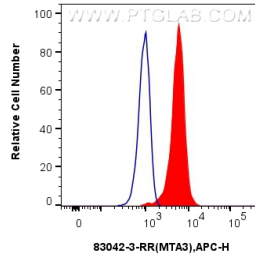
W: [ptgcn.com](http://ptgcn.com)

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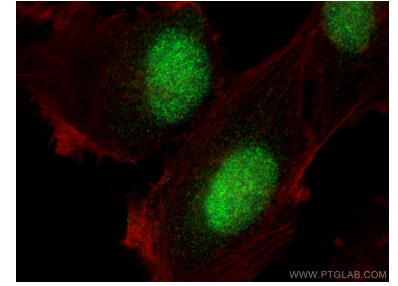
## Selected Validation Data



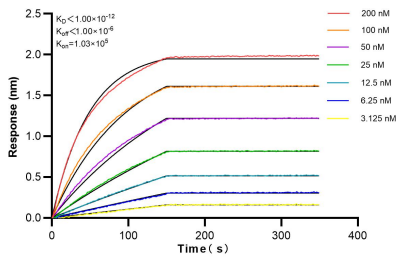
Various lysates were subjected to SDS PAGE followed by western blot with 83042-3-RR (MTA3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  U-251 cells were intracellularly stained with 0.25 ug MTA3 Recombinant antibody (83042-3-RR, Clone:230350D12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using MTA3 antibody (83042-3-RR, Clone: 230350D12) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 83042-3-RR against Human MTA3 were performed. The affinity constant is below 1 pM.