

For Research Use Only

MTA3 Recombinant antibody

Catalog Number:83042-3-RR



Basic Information

Catalog Number: 83042-3-RR	GenBank Accession Number: BC053631	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 57504	CloneNo.: 230350D12
Source: Rabbit	UNIPROT ID: Q9BTC8	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: metastasis associated 1 family, member 3	
Immunogen Catalog Number: AG6400	Calculated MW: 68 kDa	
	Observed MW: 62 kDa, 68 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
Human, Mouse

Positive Controls:
WB : Jurkat cells, A375 cells, NIH/3T3 cells, C2C12 cells, MCF-7 cells, Raji cells

IF/ICC : 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

*** 20ul sizes contain 0.1% BSA

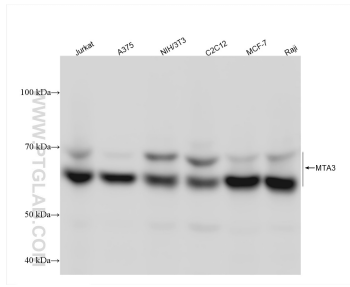
For technical support and original validation data for this product please contact:

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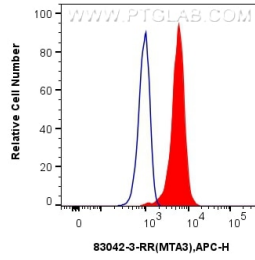
E: proteintech@ptglab.com
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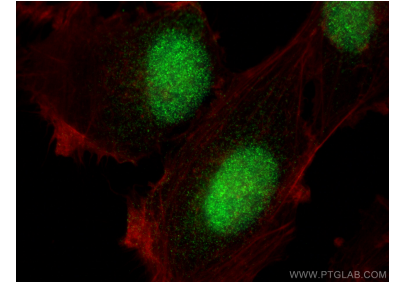
Selected Validation Data



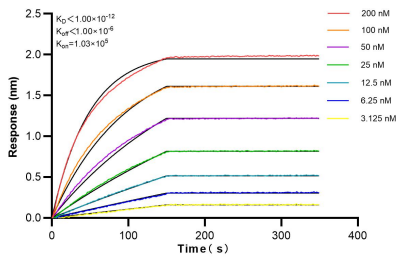
Various lysates were subjected to SDS PAGE followed by western blot with 83042-3-RR (MTA3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



1×10^6 U-251 cells were intracellularly stained with 0.25 μ g MTA3 Recombinant antibody (83042-3-RR, Clone:230350D12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g 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.