

For Research Use Only

MTA3 Recombinant antibody

Catalog Number: 83042-3-RR

Featured Product



Basic Information

Catalog Number:

83042-3-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6400

GenBank Accession Number:

BC053631

GeneID (NCBI):

57504

UNIPROT ID:

Q9BTC8

Full Name:

metastasis associated 1 family,
member 3

Calculated MW:

68 kDa

Observed MW:

62 kDa, 68 kDa

Purification Method:

Protein A purification

CloneNo.:

230350D12

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : Jurkat cells, MCF-7 cells, A375 cells, NIH/3T3
cells, C2C12 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 SNAIL1 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:

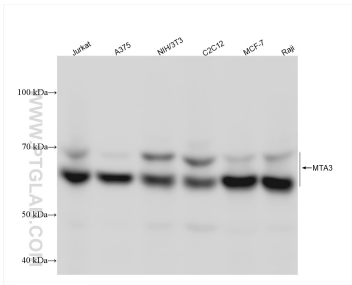
T: 4006900926

E: Proteintech-CN@ptglab.com

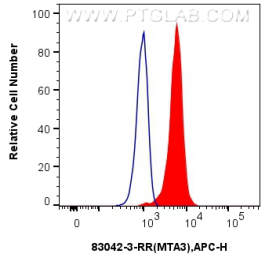
W: ptgcn.com

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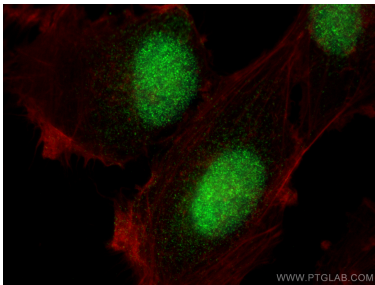
Selected Validation Data



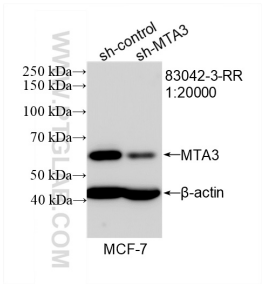
Various lysates were subjected to SDS PAGE followed by western blot with 83042-3-RR (MTA3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



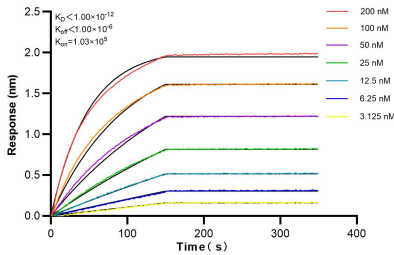
1x10⁶ U-251 cells were intracellularly stained with 0.25 ug MTA3 Recombinant antibody (83042-3-RR, Clone:230350D12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription 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).



WB result of MTA3 antibody (83042-3-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MTA3 transfected MCF-7 cells.



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