

MORC3 Polyclonal antibody

Catalog Number: 24994-1-AP

3 Publications

Basic Information

Catalog Number:

24994-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21825

GenBank Accession Number:

BC132731

GeneID (NCBI):

23515

UNIPROT ID:

Q14149

Full Name:

MORC family CW-type zinc finger 3

Calculated MW:

939 aa, 107 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IF/ICC : A431 cells,

Background Information

MORC3, also named as MORC family CW-type zinc finger protein 3 or NXP2, is a 939 amino acid protein, which contains 1 CW-type zinc finger. MORC3 localizes in the nucleus and are expressed in heart, placenta, skeletal muscle, brain, pancreas, lung, liver, but not kidney. MORC3 as Nuclear factor which forms MORC3-NBs (nuclear bodies) via an ATP-dependent mechanism. Sumoylated MORC3-NBs can also associate with PML-NBs and recruits TP53 and SP100 to PML-NBs, thus regulating TP53 activity. It may be required for influenza A transcription during viral infection. The calculated molecular weight of MORC3 is a 107 kDa, but the Sumoylated MORC3 protein is about 130 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Moritz M Gaidt	34759314	Nature	WB
Dong Li	35879101	J Med Virol	WB, IF
Ziqi Wang	38591005	iScience	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

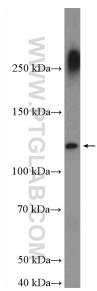
For technical support and original validation data for this product please contact:

T: 4006900926

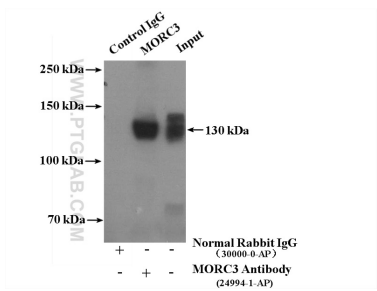
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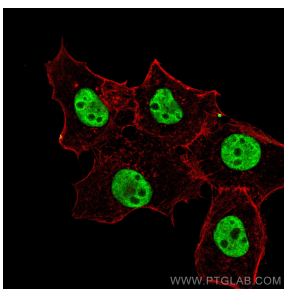
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 24994-1-AP (MORC3 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



IP result of anti-MORC3 (IP:24994-1-AP, 4ug; Detection:24994-1-AP 1:300) with HeLa cells lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using MORC3 antibody (24994-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).