

For Research Use Only

MORC3 Monoclonal antibody

Catalog Number: 68370-1-Ig



Basic Information

Catalog Number: 68370-1-Ig	GenBank Accession Number: BC132731	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23515	CloneNo.: 1E1E1
Source: Mouse	Full Name: MORC family CW-type zinc finger 3	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 939 aa, 107 kDa	
Immunogen Catalog Number: AG21867	Observed MW: 130 kDa	

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : LNCaP cells, NIH/3T3 cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, 4T1 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.

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

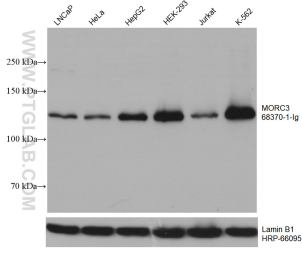
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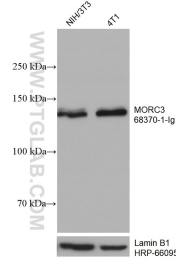
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68370-1-Ig (MORC3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



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