

For Research Use Only

# CoraLite® Plus 488-conjugated MORC3 Polyclonal antibody

Catalog Number: CL488-24994



## Basic Information

<b>Catalog Number:</b> CL488-24994	<b>GenBank Accession Number:</b> BC132731	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23515	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14149	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> MORC family CW-type zinc finger 3	
<b>Immunogen Catalog Number:</b> AG21825	<b>Calculated MW:</b> 939 aa, 107 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : A431 cells,
<b>Species Specificity:</b> human	

## 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.

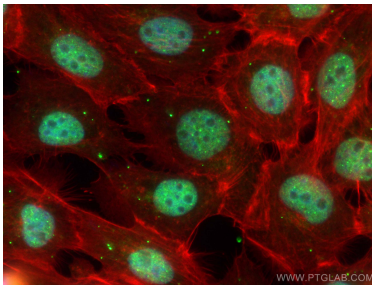
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

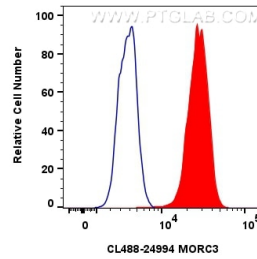
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Coralite® Plus 488 MORC3 antibody (CL488-24994) at dilution of 1:200, CL594-phalloidin (red).



$1 \times 10^6$  A431 cells were intracellularly stained with 0.4  $\mu$ g Coralite® Plus 488-conjugated MORC3 Polyclonal antibody (CL488-24994)(red), or 0.4  $\mu$ g Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).