

For Research Use Only

# MIOS Recombinant antibody

Catalog Number: 83856-4-RR



## Basic Information

<b>Catalog Number:</b> 83856-4-RR	<b>GenBank Accession Number:</b> BC005883	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 850 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54468	<b>CloneNo.:</b> 240832D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NXC5	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> missing oocyte, meiosis regulator, homolog (Drosophila)	
<b>Immunogen Catalog Number:</b> AG15148	<b>Calculated MW:</b> 875 aa, 99 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> human	

## Background Information

The mechanistic target of rapamycin complex 1 (mTORC1) controls growth by regulating anabolic and catabolic processes in response to environmental cues, including nutrients. Amino acids signal to mTORC1 through the Rag GTPases, which are regulated by several protein complexes, including GATOR1 and GATOR2. GATOR2, which has five components (WDR24, MIOS, WDR59, SEH1L, SEC13), is required for amino acids to activate mTORC1. PMID: 3583151

## 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

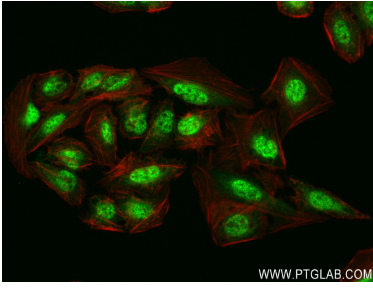
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MIOS antibody (83856-4-RR, Clone: 240832D12 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).