

For Research Use Only

MIOS Recombinant antibody

Catalog Number: 83856-5-RR



Basic Information

Catalog Number:

83856-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15148

GenBank Accession Number:

BC005883

GeneID (NCBI):

54468

UNIPROT ID:

Q9NXC5

Full Name:

missing oocyte, meiosis regulator,
homolog (Drosophila)

Calculated MW:

875 aa, 99 kDa

Observed MW:

82 kDa

Purification Method:

Protein A purification

CloneNo.:

240832B9

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : K-562 cells, HeLa cells, HEK-293T cells, Jurkat cells, NIH/3T3 cells, mouse brain tissue,

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: 35831510

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:

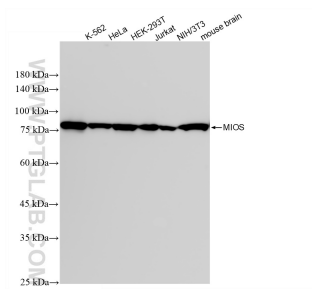
T: 4006900926

E: Proteintech-CN@ptglab.com

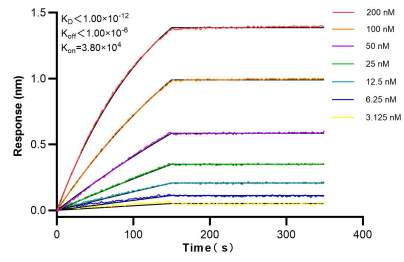
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83856-5-RR (MIOS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83856-5-RR against Human MIOS were performed. The affinity constant is below 1 pM.