

For Research Use Only

MITD1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88031-1-PBS



Basic Information

Catalog Number:

88031-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10998

GenBank Accession Number:

BC018453

GeneID (NCBI):

129531

UNIPROT ID:

Q8WV92

Full Name:

MIT, microtubule interacting and transport, domain containing 1

Calculated MW:

249 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

260134F6

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

MITD1 (Microtubule Interacting and Trafficking Domain Containing 1) has a molecular weight of approximately 29.3 kDa and consists of 249 amino acids. Functionally, MITD1 regulates ESCRT-III activity and is required for efficient abscission at the end of cytokinesis. It functions as a homodimer, with its N-terminal MIT domain binding to a subset of ESCRT-III subunits and its C-terminal unanticipated phospholipase D-like (PLD) domain binding to membranes. Depletion of MITD1 causes cytokinetic defects, including midbody destabilization and abscission failure. Beyond its role in cell division, MITD1 has recently been identified as a brain-specific interferon-inducible factor that inhibits flavivirus replication.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

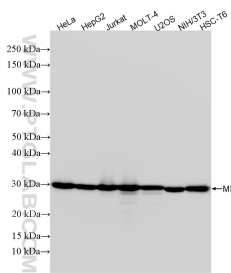
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88031-1-RR (MITD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88031-1-PBS in a different storage buffer formulation.