

For Research Use Only

MITD1 Recombinant monoclonal antibody, PBS Only

Catalog Number:88031-1-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 88031-1-PBS | GenBank Accession Number: BC018453 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 129531 | CloneNo.: 260134F6 |
| Isotype: IgG | UNIPROT ID: Q8WV92 | |
| Immunogen Catalog Number: AG10998 | Full Name: MIT, microtubule interacting and transport, domain containing 1 | |
| | Calculated MW: 249 aa, 29 kDa | |
| | Observed MW: 29 kDa | |

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

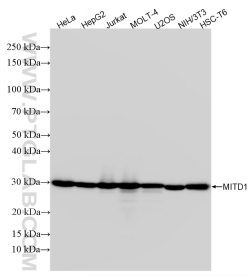
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.