For Research Use Only

DDIT4L Recombinant monoclonal antibody

Catalog Number:87486-1-RR

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Basic Information

Catalog Number:
87486-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG29616

GenBank Accession Number:
BC013592

GeneID (NCBI):
115265

UNIPROT ID:
Q96D03

Full Name:
DNA-damage-inducible transcript 4-like

Calculated MW:
193 aa, 22 kDa

Observed MW:
20 kDa

Purification Method:
Protein A purification

CloneNo.:
252832G4

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : mouse ovary tissue, Y79 cells, ARPE-19 cells, mouse skeletal muscle tissue

Background Information

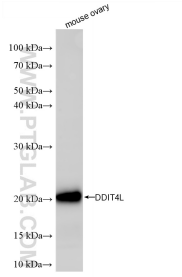
DNA-damage-inducible transcript 4-like protein(DDIT4L), encoded by the stress responsive gene REDD2, is a negative regulator of mTOR signaling, and expressed predominantly in skeletal muscle. It regulates the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1. Also, DDIT4L involves in oxidized low-density lipoprotein-induced macrophage death sensitivity.

Storage

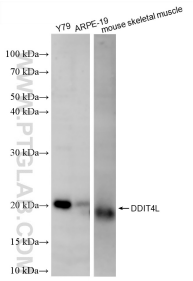
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

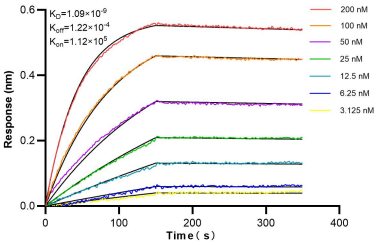
Selected Validation Data



mouse ovary tissue were subjected to SDS PAGE followed by western blot with 87486-1-RR (DDIT4L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 87486-1-RR (DDIT4L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87486-1-RR against Human DDIT4L were performed. The affinity constant is 1.09 nM.