

For Research Use Only

HERPUD1 Recombinant antibody

Catalog Number: 85627-1-RR



Basic Information

Catalog Number:

85627-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34891

GenBank Accession Number:

BC008320

GeneID (NCBI):

9709

UNIPROT ID:

Q15011

Full Name:

homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1

Calculated MW:

44 kDa

Observed MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

243054E4

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: LNCaP cells, BxPC-3 cells, HeLa cells

Background Information

Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein (HERPUD1), also called HERP or MIF1, is component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins. HERP is strongly induced by ER stress but rapidly degraded by proteasome. HERP interacts with members of the ubiquitin family, which function as a shuttle factor to deliver ubiquitinated substrates to the proteasome for degradation. HERP is present in activated microglia in senile plaques in the brain of patients with Alzheimer disease, and there is evidence suggesting HERP increase nigro-striatal dopaminergic activity and is able to improve symptoms in patients with Parkinson's disease, levodopa-related dyskinesias and Tardive dyskinesia. MW of HERP is 54 kDa (PMID: 23620059).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

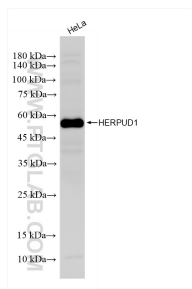
For technical support and original validation data for this product please contact:

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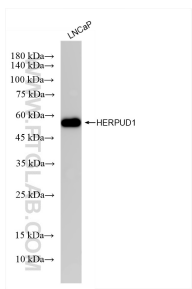
E: proteintech@ptglab.com
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 85627-1-RR (HERPUD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



LNCaP cells were subjected to SDS PAGE followed by western blot with 85627-1-RR (HERPUD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.