

For Research Use Only

HERPUD1 Recombinant antibody, PBS Only

Catalog Number: 85627-1-PBS



Basic Information

Catalog Number: 85627-1-PBS	GenBank Accession Number: BC008320	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9709	CloneNo.: 243054E4
Source: Rabbit	UNIPROT ID: Q15011	
Isotype: IgG	Full Name: homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	
Immunogen Catalog Number: AG34891	Calculated MW: 44 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 ubiquilin 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

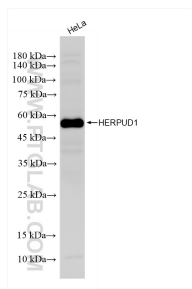
Storage:
Store at -80°C.

Storage Buffer:
PBS only

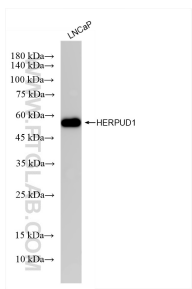
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 85627-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85627-1-PBS in a different storage buffer formulation.