

For Research Use Only

HERC5 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87166-1-PBS



Basic Information

Catalog Number: 87166-1-PBS	GenBank Accession Number: BC140716	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51191	CloneNo.: 252294E6
Source: Rabbit	UNIPROT ID: Q9UII4	
Isotype: IgG	Full Name: hect domain and RLD 5	
Immunogen Catalog Number: AG33511	Calculated MW: 1024 aa, 117 kDa	
	Observed MW: 117 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

HERC5 (HECT and RLD domain-containing E3 ubiquitin ligase 5) is constitutively expressed at low or undetectable levels in most normal adult tissues and in a subset of cancer cell lines. It is an evolutionarily ancient restriction factor that inhibits the replication of diverse viruses. By virtue of its C-terminal HECT domain, HERC5 is the main cellular E3 ligase for conjugating ISG15 to substrates and localizes to polyribosomes to modify newly translated viral proteins, thereby disrupting key aspects of viral particle production. E3 ligase-independent antiviral activity has also been demonstrated towards HIV-1, where it inhibits the nuclear export of incompletely-spliced viral RNAs by a mechanism requiring its N-terminal RCC1-like domain (RLD). (PMID: 34572049)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

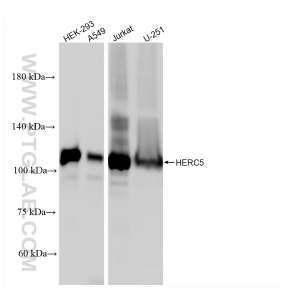
For technical support and original validation data for this product please contact:

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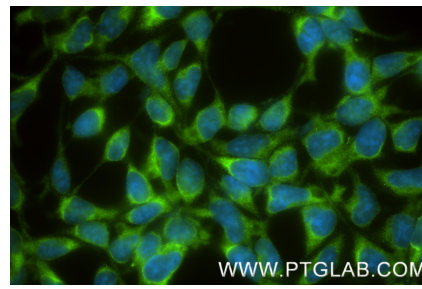
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87166-1-RR (HERC5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87166-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using HERC5 antibody (87166-1-RR, Clone: 252294E6) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87166-1-PBS in a different storage buffer formulation.