

For Research Use Only

CoraLite® Plus 488-conjugated HERC5 Recombinant monoclonal antibody

Catalog Number: CL488-87166



Basic Information

Catalog Number:

CL488-87166

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33511

GenBank Accession Number:

BC140716

GeneID (NCBI):

51191

UNIPROT ID:

Q9UII4

Full Name:

hect domain and RLD 5

Calculated MW:

1024 aa, 117 kDa

Observed MW:

117 kDa

Purification Method:

Protein A purification

CloneNo.:

252294E6

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HEK-293 cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

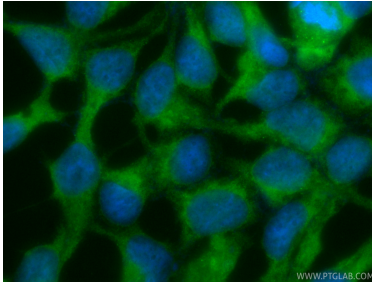
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 488
HERC5 antibody (CL488-87166, Clone: 252294E6)
at dilution of 1:200.