

For Research Use Only

Chk1 Recombinant antibody

Catalog Number: 80056-2-RR



Basic Information

Catalog Number:

80056-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC004202

GeneID (NCBI):

1111

UNIPROT ID:

O14757

Full Name:

CHK1 checkpoint homolog (S. pombe)

Calculated MW:

54 kDa

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

2G7

Recommended Dilutions:

WB 1:5000-1:50000

IF 1:100-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : HeLa cells, Jurkat cells, K-562 cells, MCF-7 cells, NIH/3T3 cells, HSC-T6 cells

IF : HEK-293T cells,

Background Information

CHEK1(Checkpoint kinase-1) is also named as CHK1 and belongs to the protein kinase superfamily. It is implicated in a circuit in which it activates checkpoints, DNA repair and proliferating cell nuclear antigen and FANCD2 monoubiquitylation(PMID:21389083). CHEK1 protects vertebrate cells against spontaneous chromosome missegregation and is required to sustain anaphase delay when spindle function is disrupted by taxol(PMID:17276342). It has 3 isoforms produced by alternative splicing with the molecular mass of 54 kDa, 44 kDa and 50 kDa.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

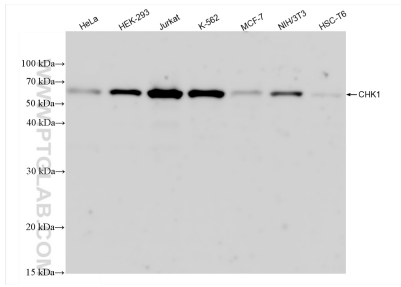
T: 4006900926

E: Proteintech-CN@ptglab.com

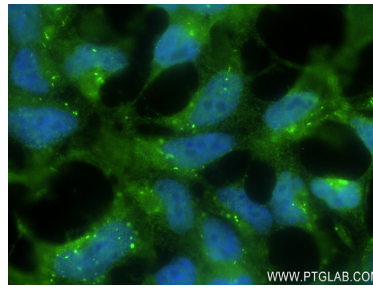
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80056-2-RR (Chk1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293T cells using Chk1 antibody (80056-2-RR, Clone: 2G7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).