

CoraLite® Plus 488-conjugated CHEK2 Polyclonal antibody

Catalog Number: **CL488-13954**

Basic Information

Catalog Number:

CL488-13954

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5065

GenBank Accession Number:

BC004207

GeneID (NCBI):

11200

UNIPROT ID:

O96017

Full Name:

CHK2 checkpoint homolog (S. pombe)

Calculated MW:

61 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Chk2(Checkpoint kinase 2) is also named as CDS1, CHEK2, RAD53 and belongs to the CHK2 subfamily. It is a protein kinase that is activated in response to DNA damage and involved in cell cycle arrest. It also mediates the induction of senescence in fibroblasts, but is dispensable for the induction of telomere dysfunction checkpoints at the stem and progenitor cell level(PMID:20577265). This protein can exist as a dimer (PMID:19782031). Active forms of CHEK2 devoid of phosphorylation at Thr-68 can form unstable dimers(PMID:12386164). Defects in CHEK2 is a cause of susceptibility to breast cancer (BC)(PMID:21618645). It has 12 isoforms produced by alternative splicing.

Storage

Storage:

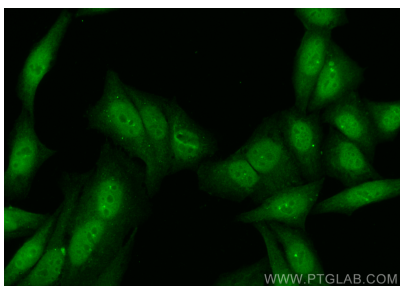
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 CHEK2 antibody (CL488-13954) at dilution of 1:200.