

For Research Use Only

# CoraLite® Plus 488-conjugated CHEK2 Polyclonal antibody



Catalog Number: CL488-13954

## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>CL488-13954      | <b>GenBank Accession Number:</b><br>BC004207            | <b>Purification Method:</b><br>Antigen affinity purification          |
| <b>Size:</b><br>1000 µg/ml                 | <b>GeneID (NCBI):</b><br>11200                          | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                    |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>O96017                            | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>CHK2 checkpoint homolog (S. pombe) |   |
| <b>Immunogen Catalog Number:</b><br>AG5065 | <b>Calculated MW:</b><br>61 kDa                         |   |
|  | <b>Observed MW:</b><br>65 kDa                           |   |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF/ICC            | <b>Positive Controls:</b><br>IF/ICC : HepG2 cells, |
| <b>Species Specificity:</b><br>human, mouse, rat |  |

## 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

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

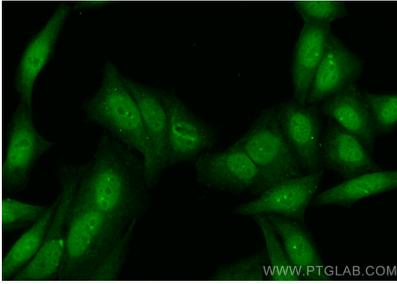
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



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