



Catalog: OM275389

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Chk2 Antibody

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☐ 100ug

Product profile

| | |
|---------------------|---|
| Product name | Chk2 Antibody |
| Antibody Type | Primary Antibodies |
| Product description | Chk2 Antibody: The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling, including Chk2, p53R2, p53AIP1, Noxa, PIDD, and PIDD/MTA2, were recently discovered. The checkpoint kinase Chk2 is the mammalian homologue of yeast Cds1/Rad53. In response to DNA damage, the checkpoint kinase ATM phosphorylates and activates Chk2, which in turn directly phosphorylates and activates p53. Chk2 serves as ATM downstream effector to mediate activation of p53. Chk2 also phosphorylates and activates BRCA1, the product of a tumor suppressor gene that is mutated in breast and ovarian cancer.1) Matsuoka S, Huang M, and Elledge SJ. Linkage of ATM to cell cycle regulation by the Chk2 protein kinase. Science 1998; 282:1893-7. |
| Immunogen | Chk2 antibody was raised against a synthetic peptide corresponding to amino acids near the amino terminus of human Chk2. The immunogen is located within the first 50 amino acids of Chk2. |

Key Feature

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|---------------------|--------------------|
| Clonality | Polyclonal |
| Isotype | IgG |
| Host Species | Rabbit |
| Tested Applications | ELISA ,ICC ,IF ,WB |
| Species Reactivity | Human Mouse Rat |
| Concentration | 1 mg/ml |
| Purification | Affinity purified |

Target Information

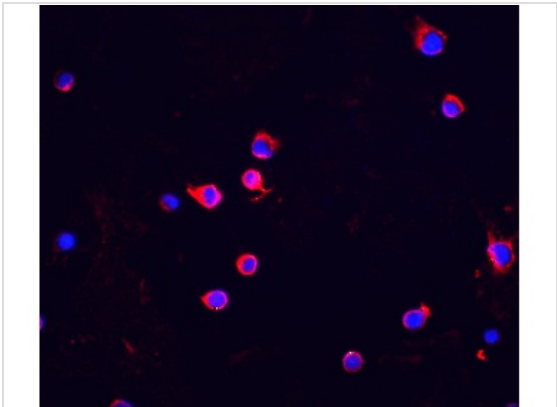
| | |
|-------------------|--|
| Gene Symbol | CHEK2 |
| Alternative Names | Chk2 Antibody: CDS1, CHK2, LFS2, RAD53, hCds1, HuCds1, PP1425, CDS1, CHK2 checkpoint homolog, Hucds1 |

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|------------------------------|--|
| Molecular Weight(MW) | Predicted: 60 kDa Observed: 60 kDa |
| Sequence Similarities | 3) Cat. No. 17-005 - Jurkat Cell Slide |

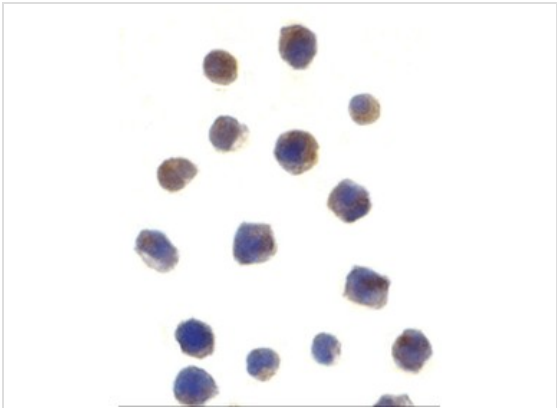
Database Links

| | |
|--------------------------|-----------|
| Entrez Gene | 11200 |
| Protein Accession | NP_009125 |

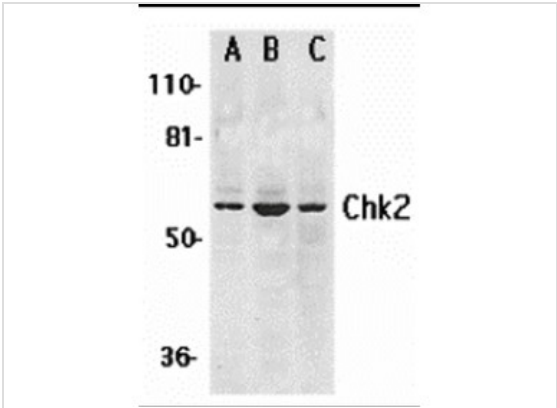
Application



Application
Immunofluorescence of Chk2 in Jurkat cells with Chk2 antibody at 5 µg/mL



Application
Immunocytochemistry of Chk2 in Jurkat cells with Chk2 antibody at 1 µg/mL.



Application
Western blot analysis of Chk2 expression in (A) K562, (B) Jurkat, and (C) HL-60 whole cell lysates with Chk2 antibody at 1 µg /mL.

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| Positive Control | 1) Cat. No. 1205 - Jurkat Cell Lysate |
| Application Notes | Chk2 antibody can be used for detection of Chk2 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 1 µg/mL. For immunofluorescence start at 5 µg/mL.: |

Additional Information

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| Form | Liquid |
| Storage Instructions | Chk2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all anti bodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Storage Buffer | Chk2 Antibody is supplied in PBS containing 0.02% sodium azide. |
| Note | The product is for research use only,not for use in diagnostic or therapeutic procedures. |

OmnimAbs.com

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506 N. GARFIELD AVE #210 ALHAMBRA, CA 91801
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

