

## Rabbit Chk2 Polyclonal Antibody | anti-Chk2 antibody

Chk2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                             |
|-----------|--------|-------------------|------------------------------------------|
| AAA302407 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Western Blot, ELISA |

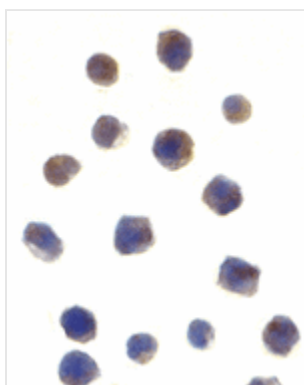
### PRODUCT SYNONYMS

Chk2; Polyclonal Antibody; Chk2 Antibody; anti-Chk2 antibody

### PRODUCT SPECIFICATIONS

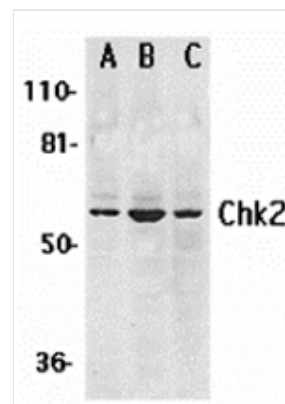
|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                            | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                    | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                | 543                                                                                                                                                                                                    |
| Applicable Applications for anti-Chk2 antibody | ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                    |
| Immunogen Type                                 | Peptide                                                                                                                                                                                                |
| Immunogen Description                          | Raised against a synthetic peptide corresponding to amino acids near the amino terminus of human Chk2.                                                                                                 |
| Target Name                                    | Chk2                                                                                                                                                                                                   |
| Preparation and Storage                        | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



**ICC (Immunocytochemistry)**

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



**WB (Western Blot)**

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

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-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 PID/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. |
| Product Categories/Family for anti-Chk2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 6005850                                        |
| NCBI GeneID                      | 11200                                          |
| NCBI Accession #                 | NP_009125                                      |
| NCBI GenBank Nucleotide #        | NM_007194.3                                    |
| Molecular Weight                 | 36,157 Da                                      |
| NCBI Official Full Name          | serine/threonine-protein kinase Chk2 isoform a |
| NCBI Official Synonym Full Names | checkpoint kinase 2                            |
| NCBI Official Symbol             | CHEK2                                          |
| NCBI Official Synonym Symbols    | CDS1; CHK2; LFS2; RAD53; hCds1; HuCds1; PP1425 |
| NCBI Protein Information         | serine/threonine-protein kinase Chk2           |
| UniProt Protein Name             | Serine/threonine-protein kinase Chk2           |
| UniProt Gene Name                | CHEK2                                          |
| UniProt Synonym Gene Names       | CDS1; CHK2; RAD53; Hucds1; hCds1               |
| UniProt Entry Name               | CHK2_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chk2-antibody-immunocytochemistry-western-blot-elisa/302407>