

Datasheet for ABIN5961579  
**anti-CHEK2 antibody (Thr383)**



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## Overview

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Quantity:            | 200 µL                                                                                    |
| Target:              | CHEK2                                                                                     |
| Binding Specificity: | Thr383                                                                                    |
| Reactivity:          | Human, Mouse, Rat, Monkey                                                                 |
| Host:                | Rabbit                                                                                    |
| Clonality:           | Polyclonal                                                                                |
| Conjugate:           | This CHEK2 antibody is un-conjugated                                                      |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Synthesized peptide derived from human Chk2 around the non-phosphorylation site of T383.                                                                                                                                                                                                        |
| Isotype:      | IgG                                                                                                                                                                                                                                                                                             |
| Specificity:  | CDS 1,Cds1,Cds1 homolog,Checkpoint kinase 2,Checkpoint like protein CHK2,CHEK 2,Chk2,Chk 2,CHK2 checkpoint homolog (S. pombe),CHK2 checkpoint homolog,CHK2,hCds1,HuCds 1,LFS 2,LFS2,PP1425,RAD 53,RAD53,Rad53 homolog,Serine/threonine protein kinase Chk2,Serine/threonine-protein kinase Chk2 |
| Purification: | Affinity purification                                                                                                                                                                                                                                                                           |

## Target Details

|                   |                                         |
|-------------------|-----------------------------------------|
| Target:           | CHEK2                                   |
| Alternative Name: | Chk2 ( <a href="#">CHEK2 Products</a> ) |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | Regulates cell cycle checkpoints and apoptosis in response to DNA damage, particularly to DNA double-strand breaks. Inhibits CDC25C phosphatase by phosphorylation on 'Ser-216', preventing the entry into mitosis. May also play a role in meiosis. Regulates the TP53 tumor suppressor through phosphorylation at 'Thr-18' and 'Ser-20'. |
| Molecular Weight: | 61kDa                                                                                                                                                                                                                                                                                                                                      |
| Gene ID:          | 11200                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">O96017</a>                                                                                                                                                                                                                                                                                                                     |
| Pathways:         | <a href="#">p53 Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Cell Division Cycle</a>                                                                                                                                                                                                                                            |

## Application Details

|                    |                                                |
|--------------------|------------------------------------------------|
| Application Notes: | WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:5000 |
| Restrictions:      | For Research Use only                          |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol pH 7.4.                                                      |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.                                                                            |