

## CDC2(Ab-19) Antibody

Catalog No: #21529

Package Size: #21529-1 50ul #21529-2 100ul

## Description

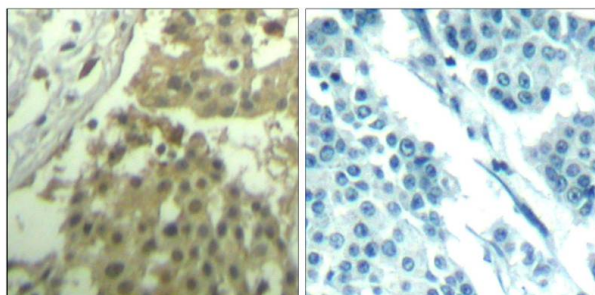
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | CDC2(Ab-19) Antibody                                                                                                                                                          |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | IHC                                                                                                                                                                           |
| Species Reactivity    | Hu                                                                                                                                                                            |
| Specificity           | The antibody detects endogenous level of total CDC2 protein.                                                                                                                  |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.17~21 (V-V-Y-K-G) derived from Human CDC2.                                                                                                         |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | CDC2                                                                                                                                                                          |
| Other Names           | CDC28; CDC2A; CDK1; Cyclin-dependent kinase 1;                                                                                                                                |
| Accession No.         | Swiss-Prot: P06493NCBI Protein: NP_001163877.1                                                                                                                                |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 34kd

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDC2(Ab-19) Antibody #21529(left) or the same antibody preincubated with blocking peptide(right).

## Background

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Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II.

Hunter, T. (1995) Cell 80, 225-236.

Wells, N.J. et al. (1999) J. Cell. Sci. 112, 3361-3371.

McGowan, C.H. and Russell, P. (1993) EMBO J. 12, 75-85.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.