

## Rabbit APC3 Polyclonal Antibody | anti-CDC27 antibody

APC3 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA39720  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

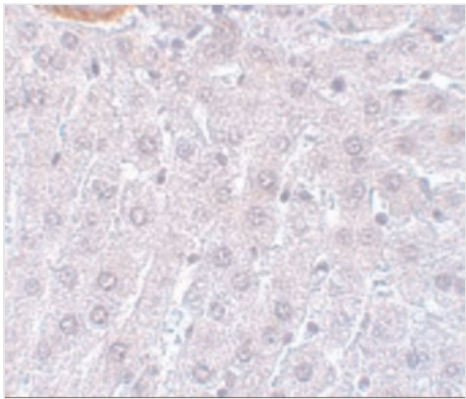
### PRODUCT SYNONYMS

APC3; Polyclonal Antibody; APC3 Antibody; HNUC; NUC2; ANAPC3; CDC27Hs; D0S1430E; D17S978E; Cell division cycle protein 27 homolog; Anaphase-promoting complex subunit 3; cell division cycle 27 homolog (S. cerevisiae); anti-CDC27 antibody

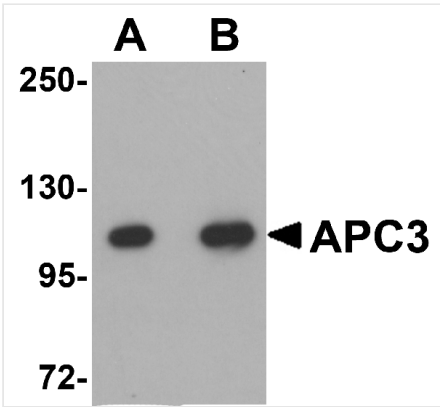
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                         | IgG                                                                                                                                                                                                                                                        |
| Purity/Purification                             | APC3 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                 | 824                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-CDC27 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                                       |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                       | APC3 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human APC3.                                                                                                                                                |
| Buffer                                          | APC3 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | APC3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



**IHC (Immunohistochemistry)**  
Immunohistochemistry of APC3 in rat liver tissue with APC3 antibody at 5 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of APC3 in mouse liver tissue lysate with APC3 antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CDC27 antibody</b> | APC3 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC3, also known as CDC27, a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), is a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. APC/C is responsible for degrading anaphase inhibitors, mitotic cyclins, and spindle-associated proteins ensuring that events of mitosis take place in proper sequence. APC3 contains a tetratricopeptide repeat (TPR) region and interacts with mitotic checkpoint proteins including Mad2, p55CDC and BUBR1. |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 167466175                                                                                                                                                         |
| NCBI GeneID                      | 996                                                                                                                                                               |
| NCBI Accession #                 | NP_001247                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_001256.4                                                                                                                                                       |
| UniProt Accession #              | P30260; Q16349; Q96F35; G3V1C4                                                                                                                                    |
| Molecular Weight                 | 92,612 Da                                                                                                                                                         |
| NCBI Official Full Name          | cell division cycle protein 27 homolog isoform 2                                                                                                                  |
| NCBI Official Synonym Full Names | cell division cycle 27                                                                                                                                            |
| NCBI Official Symbol             | CDC27                                                                                                                                                             |
| NCBI Official Synonym Symbols    | APC3; HNUC; NUC2; H-NUC; ANAPC3; CDC27Hs; D0S1430E; D17S978E                                                                                                      |
| NCBI Protein Information         | cell division cycle protein 27 homolog; nuc2 homolog; cell division cycle 27 homolog; anaphase promoting complex subunit 3; anaphase-promoting complex, protein 3 |
| UniProt Protein Name             | Cell division cycle protein 27 homolog                                                                                                                            |
| UniProt Gene Name                | CDC27                                                                                                                                                             |
| UniProt Synonym Gene Names       | ANAPC3; D0S1430E; D17S978E; APC3; CDC27Hs                                                                                                                         |
| UniProt Entry Name               | CDC27_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.

