

# KD-Validated Anti-Cell Division Cycle 45 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1327

## Product Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Application</b>       | WB, FC, ICC                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b> | <a href="#">O75419</a>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clone Names</b>       | 25GB2945                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Calculated MW</b>     | 65569                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>         | CDC45                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Aliases</b>           | CDC45; Cell Division Cycle 45; CDC45L2; CDC45L; Cell Division Control Protein 45 Homolog; Human CDC45; PORC-PI-1; CDC45 (Cell Division Cycle 45, S.Cerevisiae, Homolog)-Like; CDC45 Cell Division Cycle 45-Like (S. Cerevisiae); Cell Division Cycle 45 Homolog (S. Cerevisiae); CDC45 Cell Division Cycle 45 Homolog; CDC45 Cell Division Cycle 45-Like; Cell Division Cycle 45 Homolog; Cell Division Cycle 45-Like 2; CDC45-Related Protein; MGORS7 |
| <b>Immunogen</b>         | A synthesized peptide derived from human CDC45                                                                                                                                                                                                                                                                                                                                                                                                         |

## Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 8318                                                                                                      |
| <b>Other Names</b> | Cell division control protein 45 homolog, PORC-PI-1, CDC45 ( <a href="#">HGNC:1739</a> ), CDC45L, CDC45L2 |

## Protein Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | CDC45 ( <a href="#">HGNC:1739</a> )                                                                                                                                                                                   |
| <b>Synonyms</b>          | CDC45L, CDC45L2                                                                                                                                                                                                       |
| <b>Function</b>          | Required for initiation of chromosomal DNA replication. Core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built. |
| <b>Cellular Location</b> | Nucleus. Chromosome. Note=Associates with chromatin                                                                                                                                                                   |
| <b>Tissue Location</b>   | Widely expressed, highest levels are found in adult testis and thymus and in fetal liver                                                                                                                              |