

## Product datasheet for **TA360252**

### CDK2AP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CDK2AP1
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	12 kDa
Gene Name:	cyclin-dependent kinase 2 associated protein 1
Database Link:	<a href="#">NP_001257362.1</a> <a href="#">Entrez Gene 8099 Human</a> <a href="#">O14519</a>



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**Background:**

The protein encoded by this gene is a cyclin-dependent kinase 2 (CDK2) -associated protein which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to also interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggests a regulatory role in DNA replication during the S-phase of the cell cycle. This protein also forms a core subunit of the nucleosome remodeling and histone deacetylation (NURD) complex that epigenetically regulates embryonic stem cell differentiation. This gene thus plays a role in both cell-cycle and epigenetic regulation. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

**Synonyms:**

CDKAP1; doc-1; DOC1; DORC1; p12DOC-1; ST19

**Product images:**

Host: Rabbit  
Target Name: CDK2AP1  
Sample Type: Esophagus Tumor Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: CDK2AP1  
Sample Tissue: Human Esophagus Tumor lysates  
Antibody Dilution: 1 µg/ml