

## [KO Validated] Anti-CDK2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

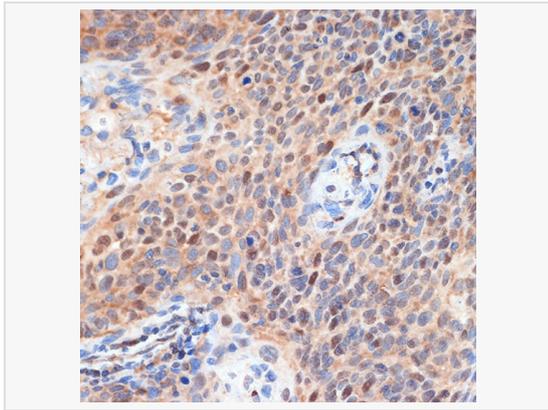
Catalog # P100159

### Product Information

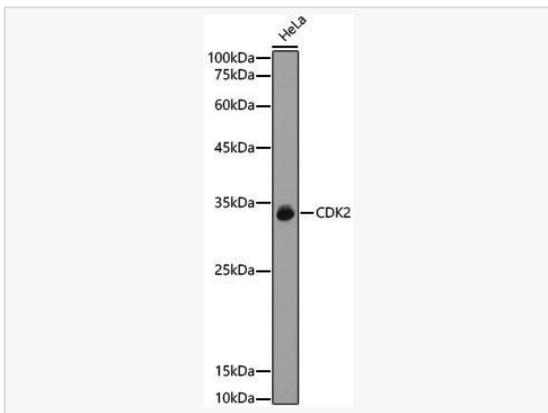
|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA  |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:500~1:1,000; IHC-P 1:50~1:200  |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthetic peptide corresponding to a sequence within amino acids 200-298 of human CDK2 (NP_001789.2).                     |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-CDK2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.                      |

### Protein Information

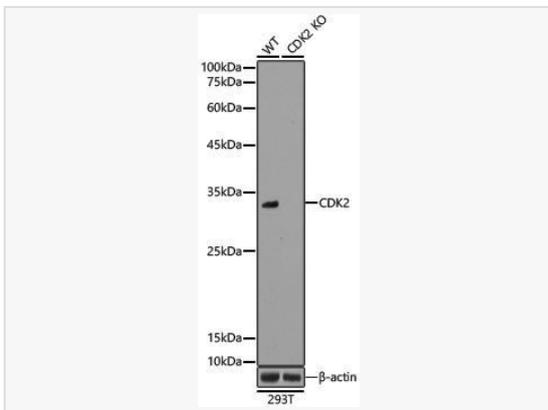
|               |  |
|---------------|--|
| Synonyms      | CDKN2; p33(CDK2).  |
| Calculated MW | Calculated MW: 34 kDa; Observed MW: 34 kDa   |
| Uniprot ID    | P24941   |
| Gene ID       | 1017   |
| Background    | This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants. |



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using [KO Validated] CDK2 Rabbit pAb (P100159) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of lysates from HeLa cells, using [KO Validated] CDK2 Rabbit pAb (P100159) at 1:1,000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit.  
Exposure time: 10s.



Western blot analysis of lysates from wild type(WT) and CDK2 knockout (KO) 293T cells, using [KO Validated] CDK2 Rabbit pAb (P100159) at 1:1,000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Kit.  
Exposure time: 10s.