

Anti-Phospho-CDK2 (Thr160) Rabbit pAb

Purified Rabbit Polyclonal Antibody

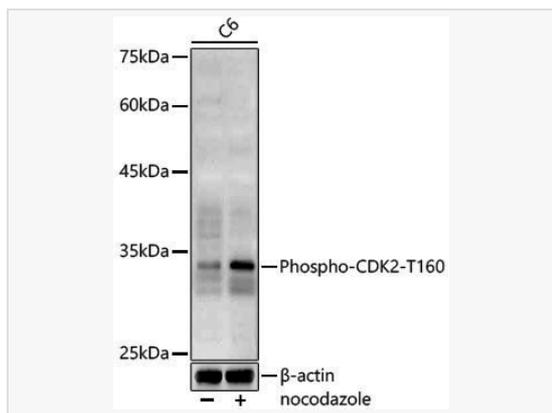
Catalog # P108194

Product Information

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|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:100~1:500; IHC-P 1:50~1:100 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphorylated peptide around T160 of human CDK2 (NP_001789.2/NP_001249.1). |
| 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-Phospho-CDK2 (Thr160) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|---------------|--|
| Synonyms | CDKN2; p33(CDK2); Phospho-CDK2-T160. |
| Calculated MW | Calculated MW: 34 kDa; Observed MW: 32 kDa/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. |



Western blot analysis of lysates from C6 cells, using Phospho-CDK2-T160 Rabbit pAb (P108194) at 1:400 dilution. C6 cells were treated by Nocodazole (10 ng/ml) at 37°C for 20 hours.

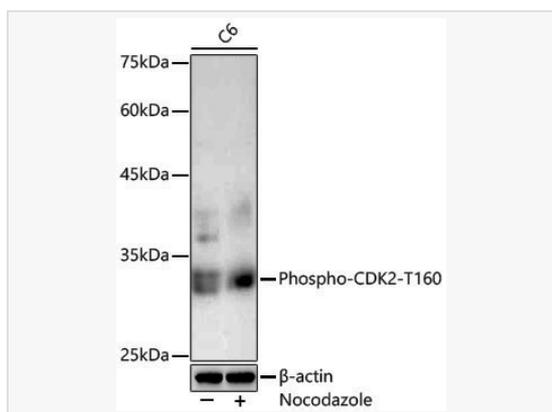
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit (SQ201).

Exposure time: 90s.



Western blot analysis of lysates from C6 cells using Phospho-CDK2-T160 Rabbit pAb (P108194) at 1:1,000 dilution. C6 cells were treated by Nocodazole (10 ng/ml) at 37°C for 20 hours.

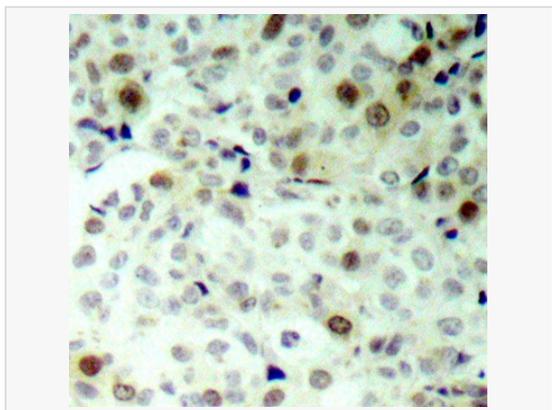
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 20 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit (SQ201).

Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Phospho-CDK2-T160 Rabbit pAb (P108194). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.