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|--------------------------|---|
| <b>Cat. No:</b>          | AB-81213  |
| <b>Size:</b>             | 100 ug  |
| <b>Clone:</b>            | POLY  |
| <b>Concentration:</b>    | 1mg/ml  |
| <b>Host:</b>             | Rb  |
| <b>Isotype:</b>          | IgG   |
| <b>Immunogen:</b>        | A synthetic peptide of human CDK2                         |
| <b>Reactivity:</b>       | Hu, Ms,Rt   |
| <b>Applications:</b>     | Western Blot: 1:500 -1:1000<br>Immunohistochemistry: 1:50 |
| <b>Molecular Weight:</b> | 34kDa   |
| <b>Purification:</b>     | Aff. Pur  |
| <b>Synonyms:</b>         | CDK2; CDKN2; p33(CDK2); cyclin-dependent kinase 2         |

|                    |   |
|--------------------|---|
| <b>Background:</b> | 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 |
| <b>Form:</b>       | Liquid  |
| <b>Buffer:</b>     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3  |
| <b>Storage:</b>    | Store at -20°C. Avoid freeze / thaw cycles.   |



Western blot analysis of extracts of various cell lines, using CDK2 antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL West Pico.

Exposure time: 5s.

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