

## CAB21317

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**Product Information**

<b>Product SKU:</b> CAB21317	<b>Gene ID:</b> 1019	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Human,Mouse

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**Additional Information**

<b>Observed MW:</b> 35kDa	<b>Conjugate:</b> -
<b>Calculated MW:</b> 34kDa	<b>Isotype:</b> IgG

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**Immunogen Information**

<b>Background:</b>	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of <i>S. cerevisiae</i> cdc28 and <i>S. pombe</i> cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.
<b>Recommended Dilution:</b>	WB,1:500 - 1:1000 IHC-P,1:50 - 1:100 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cellsIF/ICC,1:50 - 1:200
<b>Synonyms:</b>	CMM3; PSK-J3; K4
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence within amino acids 200-303 of human CDK4 (NP_000066.1).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.