

## Mouse Monoclonal Antibody to CDK2

<b>Catalogue Number</b>	sAP-0691
<b>Target Molecule</b>	<p><b>Name: CDK2</b></p> <p><b>Aliases: p33</b></p> <p><b>MW: 33.9kDa</b></p> <p><b>Entrez Gene ID: 1017</b></p>
<b>Description</b>	<p>The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein kinase 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 cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported.</p>
<b>Immunogen</b>	Purified recombinant fragment of human CDK2 expressed in <i>E. Coli</i> . ;
<b>Reactive Species</b>	Human; Mouse
<b>Clone</b>	MM1A6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	Eur Arch Otorhinolaryngol. 2009 Oct;266(10):1501-7. ; Cell Cycle. 2009 Jun 15;8(12):1952-63. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**