

## Cdk1 Antibody (A17.1.1)

Tested Species Reactivity	Published Species Reactivity
Chicken (Ck)	Human (Hu)
Guinea Pig (GP)	Mouse (Ms)
Human (Hu)	Rat (Rt)
Mouse (Ms)	
Rodent (Ro)	
Rat (Rt)	
Xenopus laevis (XI)	

Tested Applications	Dilution *
Western Blot (WB)	1-2 µg/ml
Immunofluorescence (IF)	1:20-1:200
Immunocytochemistry (ICC)	1:20-1:200
Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/ml
Immunoprecipitation (IP)	2 µg/ml

Published Applications	Dilution
Western Blot (WB)	See publications
Immunocytochemistry (ICC)	See publications
Immunohistochemistry (IHC)	See publications

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	MA5-11472
<b>Size:</b>	500 µL
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	A17.1.1
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Immunogen:</b>	C-Terminal 2/3 of Xenopus CDC2 expressed in E. coli

Form Information	
<b>Form:</b>	Liquid
<b>Concentration:</b>	0.2mg/ml
<b>Purification:</b>	Protein A
<b>Storage Buffer:</b>	PBS, pH 7.4, with 0.2% BSA
<b>Preservative:</b>	0.09% sodium azide
<b>Storage Conditions:</b>	4° C

## Product Specific Information

MA5-11472 targets Cdk1 in ICC/IF, IHC (P), IP, and WB applications and shows reactivity with Chicken, Guinea Pig, Human, mouse, Rodent, Rat, and Xenopus laevis samples.

The MA5-11472 immunogen is c-Terminal 2/3 of Xenopus CDC2 expressed in E. coli.

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## General Information

p34cdc2(a catalytic subunit of Maturation Promoting Factor) plays a crucial role during cell division and is most active during mitosis. It is a serine/threonine kinase, which is activated by cyclin, by dephosphorylation of tyrosine residues. p34cdc2 is inactivated by a tyrosine kinase.

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