



# Rabbit Anti-Human CDKN1A Monoclonal Antibody, clone CQ7179 (CABT-Z235R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to p21 residues within aa1-100 of p21 was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7179
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	18 kDa
<b>Cellular Localization</b>	Nucleus
<b>Positive Control</b>	Cervix cancer
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	p21, also known as cyclin-dependent kinase inhibitor 1 or CDK-interacting protein 1, is a protein that in humans is encoded by the CDKN1A gene located on chromosome 6 (6p21.2). The p21 protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. p21 is expressed in all adult human tissues. In tumors, the expression of p21 has been studied by immunohistochemical methods in a wide range of human tumors, such as gastric carcinoma, non-small cell lung carcinoma, and thyroid carcinoma. The expression of p21 is associated with favorable prognosis in various tumors.
<b>Keywords</b>	CDKN1A; cyclin-dependent kinase inhibitor 1A (p21, Cip1); P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1

## GENE INFORMATION

<b>Gene Name</b>	CDKN1A
<b>Entrez Gene ID</b>	<a href="#">1026</a>
<b>UniProt ID</b>	<a href="#">P38936</a>