



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# CDKN1A/p21CIP1 Polyclonal Antibody

Catalog Number: E-AB-93283



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

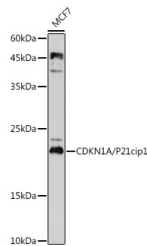
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant fusion protein of human CDKN1A/p21CIP1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Applications Recommended Dilution

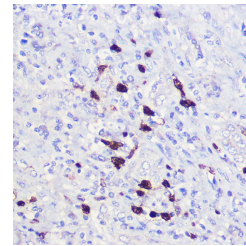
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:100
<b>IP</b>	1:50-1:200

## Data

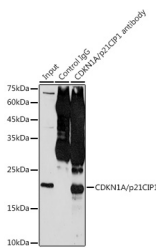


Western blot analysis of extracts of MCF7 cells using CDKN1A/P21cip1 Polyclonal Antibody at 1:1000 dilution.

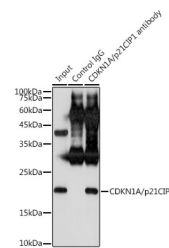
**Observed Mw: Refer to figures**  
**Calculated Mw: 18kDa**



Immunohistochemistry of paraffin-embedded human liver using CDKN1A/p21CIP1 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunoprecipitation analysis of 300ug extracts of MCF7 cells using 3ug CDKN1A/p21CIP1 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using CDKN1A/p21CIP1 Polyclonal Antibody at a dilution of 1:500.



Immunoprecipitation analysis of 300ug extracts of MCF7 cells using 3ug CDKN1A/p21CIP1 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using CDKN1A/p21CIP1 Polyclonal Antibody at a dilution of 1:500.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze/thaw cycles.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

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# CDKN1A/p21CIP1 Polyclonal Antibody

Catalog Number: E-AB-93283



## Background

This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase activation. Mice that lack this gene have the ability to regenerate damaged or missing tissue. Multiple alternatively spliced variants have been found for this gene.

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