

Datasheet for ABIN6241061

**anti-CDKN2A antibody (pSer140)**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity:	400 µL
Target:	CDKN2A
Binding Specificity:	pSer140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKN2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This p16-INK4A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S140 of human p16-INK4A.
Clone:	RB21280
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CDKN2A
Alternative Name:	p16-INK4A ( <a href="#">CDKN2A Products</a> )

## Target Details

Background:	P16-INK4A functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, MDM1, a protein responsible for the degradation of p53. This protein acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein. The gene for this protein is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.
Molecular Weight:	16533
NCBI Accession:	<a href="#">NP_000068</a> , <a href="#">NP_001182061</a> , <a href="#">NP_478104</a>
UniProt:	<a href="#">P42771</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Autophagy</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

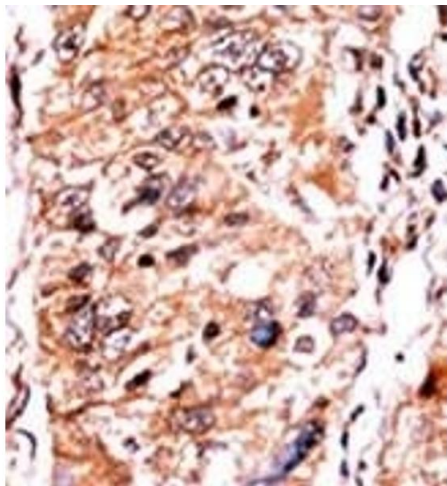
Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

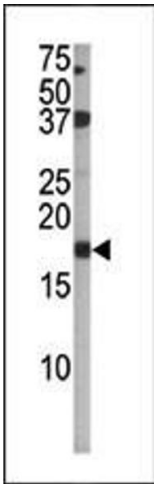
## Publications

Product cited in:	Al-Khalaf, Hendrayani, Aboussekhra: "The atr protein kinase controls UV-dependent upregulation of p16INK4A through inhibition of Skp2-related polyubiquitination/degradation." in: <b>Molecular cancer research : MCR</b> , Vol. 9, Issue 3, pp. 311-9, (2011) ( <a href="#">PubMed</a> ).
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**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



**Western Blotting**

**Image 2.** The anti-Phospho-p16-INK4A- Pab (ABIN6241061 and ABIN6578926) is used in Western blot to detect Phospho-p16-INK4A- in tissue lysate