

# p21 Polyclonal Antibody

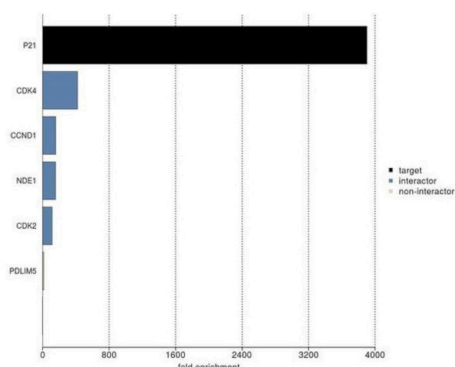
Product Details	
Size	1 mL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide (Human) (C terminal).
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 0.2% gelatin
Contains	0.1% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2291544

Applications	Tested Dilution	Publications
Western Blot (WB)	1:200	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

Recommended positive controls: C32.

## Product Images For p21 Polyclonal Antibody



### p21 Antibody (PA1-30399)

IP-MS enrichment of P21 (LFQ intensity): P21 was enriched 3902-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and P21 antibody (Product # PA1-30399). The STRING database ([www.string-db.org](http://www.string-db.org)) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}

3 References

Western Blot (2)

Oncology reports

**HDAC inhibitors suppress the proliferation, migration and invasiveness of human head and neck squamous cell carcinoma cells via p63mediated tight junction molecules and p21mediated growth arrest.**

"Published figure using p21 polyclonal antibody (Product # PA1-30399) in Western Blot"

Authors: Kakiuchi A,Kakuki T,Ohwada K,Kurose M,Kondoh A,Obata K,Nomura K,Miyata R,Kaneko Y,Konno T,Kohno T, Himi T,Takano KI,Kojima T

Year  
2021

Biogerontology

**IL-6 deficiency attenuates p53 protein accumulation in aged male mouse hippocampus.**

"PA1-30399 was used in Western Blotting to show reduced p53 accumulation in the hippocampus of aged male mouse can be mediated by IL-6 deficiency and thus protect the brain from age-related damage."

Authors: Bialuk I,Cieliska M,Kowalczyk O,Bonda TA,Nikliski J,Winnicka MM

Year  
2020

Species  
Mouse

Dilution  
1:1000

Immunohistochemistry (Paraffin) (1)

Nature metabolism

**Senescent cells promote tissue NAD<sup>+</sup> decline during ageing via the activation of CD38<sup>+</sup> macrophages.**

"PA1-30399 was used in Immunohistochemistry (Paraffin) to uncover a new causal link among resident tissue macrophages, cellular senescence and tissue NAD decline during ageing and offer novel therapeutic opportunities to maintain NAD levels during ageing."

Authors: Covarrubias AJ,Kale A,Perrone R,Lopez-Dominguez JA,Pisco AO,Kasler HG,Schmidt MS,Heckenbach I,Kwok R,Wiley CD,Wong HS,Gibbs E,Iyer SS,Basisty N,Wu Q,Kim IJ,Silva E,Vitangcol K,Shin KO,Lee YM,Riley R,Ben-Sahra I,Ott M,Schilling B,Scheibye-Knudsen M,Ishihara K,Quake SR,Newman J,Brenner C,Campisi J,Verdin E

Year  
2020

Species  
Mouse

Dilution  
1:200

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.