

# p21 Monoclonal Antibody (HJ21 (WA-1))

Product Details	
Size	500 µL
Species Reactivity	Human, Rat
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	HJ21 (WA-1)
Conjugate	Unconjugated
Immunogen	Human recombinant p21 protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10984206

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	10 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	-

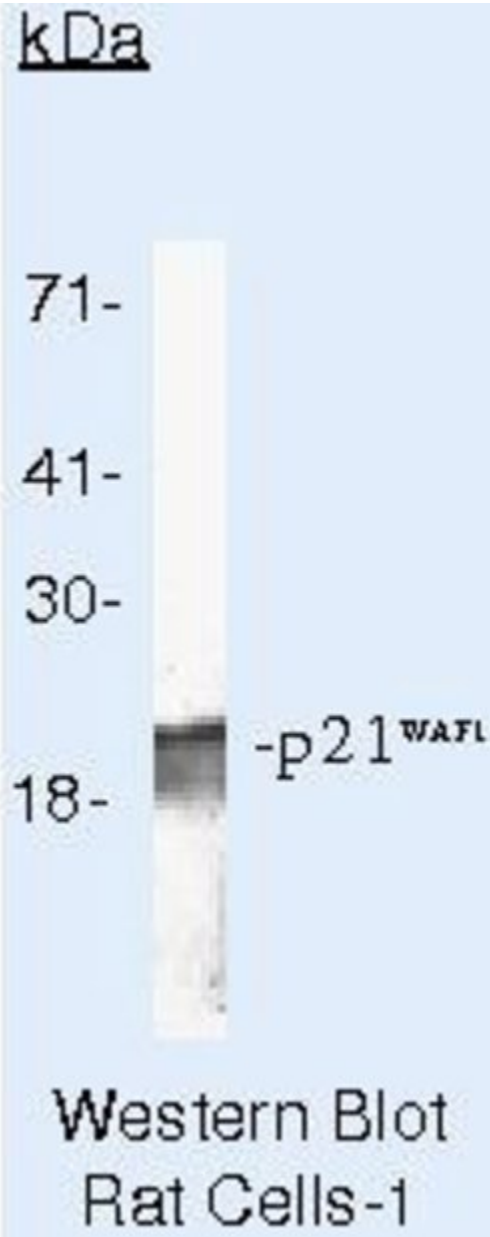
## Product Specific Information

MA5-13461 targets p21WAF1 in IF and WB applications and shows reactivity with Human and Rat samples.

The MA5-13461 immunogen is human recombinant p21 protein.

Product Images For p21 Monoclonal Antibody (HJ21 (WA-1))

**p21 Antibody (MA5-13461) in WB**  
Western blot of p21WAF1 using p21WAF1 Monoclonal Antibody (MA5-13461) on PC12 Cells.



## 11 References

### Western Blot (10)

#### Cancer research

#### Inhibition of NEDD8-activating enzyme induces rereplication and apoptosis in human tumor cells consistent with deregulating CDT1 turnover.

"MA5-13461 was used in western blot to study the effects of NEDD8-activating enzyme inhibition on DNA rereplication and apoptosis in human tumor cells"

Authors: Milhollen MA, Narayanan U, Soucy TA, Veiby PO, Smith PG, Amidon B

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2011

#### Cancer research

#### NEDD8-targeting drug MLN4924 elicits DNA rereplication by stabilizing Cdt1 in S phase, triggering checkpoint activation, apoptosis, and senescence in cancer cells.

"MA5-13461 was used in western blot to study the mechanism by which a novel inhibitor of NEDD8-activating enzyme promotes apoptosis and senescence in cancer cells"

Authors: Lin JJ, Milhollen MA, Smith PG, Narayanan U, Dutta A

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2010

[View more WB references on thermofisher.com](#)

### Immunohistochemistry (1)

#### Development (Cambridge, England)

#### Foxg1 promotes olfactory neurogenesis by antagonizing Gdf11.

"MA5-13461 was used in immunohistochemistry to investigate the role of Foxg1 in olfactory neurogenesis"

Authors: Kawauchi S, Kim J, Santos R, Wu HH, Lander AD, Calof AL

**Species**  
Mouse

**Dilution**  
1:1000

**Year**  
2009

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