

**Mouse (monoclonal)**  
**Anti-p21<sup>WAF1</sup>/Cip1/Sdi1/Pic1/CAP 20**  
**(Mitotic Inhibitor)**  
**Unconjugated**  
**PRODUCT ANALYSIS SHEET**

**Catalog Number:** AHZ0422

**Lot Number:** See product label

**Expiration Date:** See product label

**Quantity/Volume:** 0.1 mg/0.5 mL

**Clone Number:** HJ21 (also known as WA-1)

**Isotype:** IgG1 (mouse)

**Form of Antibody:** Purified immunoglobulin in 10mM phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin.

**Preservation:** 0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)

**Purification:** Purified from ascites by Protein G chromatography.

**Immunogen:** Human recombinant p21<sup>WAF1</sup> protein.

**Myeloma/Fusion Partners:** Produced by fusion between BALB/c splenocytes and mouse myeloma NS-1 cells.

**Specificity:** This monoclonal antibody recognizes a protein of 21 kDa, identified as p21<sup>WAF1</sup>/Cip1/Sdi1/Pic1, a tumor suppressor protein involved in the pathogenesis of a variety of malignancies. p21<sup>WAF1</sup> expression is induced by wild-type, but not mutant p53 suppressor protein, and specifically inhibits cdk's. HJ21 is highly specific to p21 and shows no cross-reactivity with other closely related mitotic inhibitors.

**Species Reactivity:** Human p21<sup>WAF1</sup>, mouse, and rat. Other species were not tested.














**Applications:** This antibody is suitable for use in immunofluorescence and Western blotting (frozen or formalin/methacarn-fixed and paraffin-embedded sections). Staining of formalin/paraffin sections requires boiling tissue sections in 10 mM citrate buffer, pH 6.0 for 10-20 minutes, followed by cooling at RT for 20 minutes.

**Suggested Working Dilutions:** For Western blotting, use 1:250-1:500; and for immunohistochemistry, use 1:50-1:100 (incubate 30-60 minutes at room temperature). The optimal antibody concentration should be determined for each specific application.

**Recommended Positive Control:** Human cell lines Hs27, U20S, MCF-7, Raji, and skin, colon or breast carcinoma. PC12 cells.

**Storage:** Store at 2-8°C.

**Explanation of symbols**

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

**For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.**

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