

Datasheet: AHP1246

Description:	RABBIT ANTI HUMAN p27/Kip1
Specificity:	p27/Kip1
Other names:	CDKN1B
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			1/2000
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse
Product Form	Serum - liquid
Antiserum Preparation	Antisera to p27/Kip1 were raised by repeated immunisations of rabbits with highly purified antigen.
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Immunogen	Full length human p27/Kip1 protein

External Database Links

UniProt:
[P46527](#) [Related reagents](#)

Entrez Gene:

Synonyms	KIP1
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Specificity	<p>Rabbit anti Human p27/Kip1 antibody detects p27, a member of the Kip/Cip family of proteins which is also known as p27^{kip1}. p27 is a cyclin dependent kinase inhibitor (CKI) which controls G1/S phase transition in the cell cycle. p27 prevents cell cycle progression by inhibiting the activity of cyclin E-Cdk2 and cyclin D-Cdk4/6, thus preventing E2F activation and S phase progression.</p> <p>Low p27 levels and/or cytosolic mis-localisation have been associated with the development of lung, breast, colon, oesophagus, and prostate tumors.</p>
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Further Reading	<ol style="list-style-type: none">1. Viglietto, G. <i>et al.</i> (2002) Understanding p27(kip1) deregulation in cancer: down-regulation or mislocalization. Cell Cycle. 1 (6): 394-400.2. Musgrove, E.A. <i>et al.</i> (2004) Role of the CDK inhibitor p27 (Kip1) in mammary development and carcinogenesis: insights from knockout mice. J Mammary Gland Biol Neoplasia. 9 (1): 55-66.3. Kaldis, P. (2007) Another piece of the p27Kip1 puzzle. Cell. 128 (2): 241-4.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10081 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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