

Datasheet: AHP1060

Description:	GOAT ANTI HUMAN CDKN2A (C-TERMINAL)
Specificity:	CDKN2A (C-TERMINAL)
Other names:	p16INK4a
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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	■			1/32,000
Immunoprecipitation			■	
Western Blotting	■			0.1 - 1.0ug/ml
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
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to CDKN2A (isoform 1) were raised by repeated immunisations of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide with sequence C-HARIDAAEGPSDIPD from C-terminal of CDKN2A.
External Database	UniProt:

Links

[Q8N726](#) [Related reagents](#)
[P42771](#) [Related reagents](#)

Entrez Gene:

[1029](#) CDKN2A [Related reagents](#)
[1029](#) CDKN2A [Related reagents](#)

Synonyms

CDKN2, MLM, MTS1

Specificity

Goat anti Human CDKN2A antibody detects an epitope within the C-terminal (CT) region of cyclin-dependent kinase inhibitor 2A (CDKN2A). CDKN2A is a ~16 kDa protein belonging to the CDKN2 cyclin dependent kinase inhibitor family. It acts as a negative regulator of cell proliferation by interacting strongly with CDK4 and CDK6, thus inhibiting their ability to interact with cyclin D and to phosphorylate the retinoblastoma protein. CDKN2A is an important tumour suppressor and defects in its production results in tumour formation in a wide range of tissues, including cutaneous malignant melanoma and Li-Fraumeni syndrome.

Western Blotting

AHP1060 detects a band of approximately 16-18kDa in A431 and Hela cell lysates.

References

1. Ruas, M. & Peters, G. (1998) The p16INK4a/CDKN2A tumor suppressor and its relatives. [Biochim Biophys Acta. 1378 \(2\): F115-77.](#)
2. Piepkorn, M. (2000) Melanoma genetics: an update with focus on the CDKN2A(p16)/ARF tumor suppressors. [J Am Acad Dermatol. 42 \(5 Pt 1\): 705-22; quiz 723-6.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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