

p19 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9406A

Specification

p19 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P55273
Other Accession	Q60773
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	15-43

p19 Antibody (N-term) - Additional Information

Gene ID 1032

Other Names

Cyclin-dependent kinase 4 inhibitor D, p19-INK4d, CDKN2D

Target/Specificity

This p19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-43 amino acids from the N-terminal region of human p19.

Dilution

WB~~1:2000
IHC-P~~1:10~50
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

p19 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

p19 Antibody (N-term) - Protein Information

Name CDKN2D

Function Interacts strongly with CDK4 and CDK6 and inhibits them.

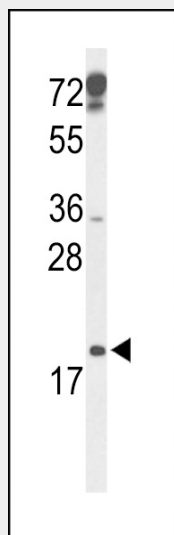
Cellular Location

Nucleus. Cytoplasm

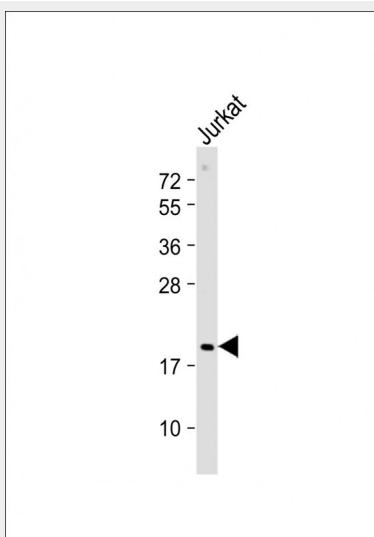
p19 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

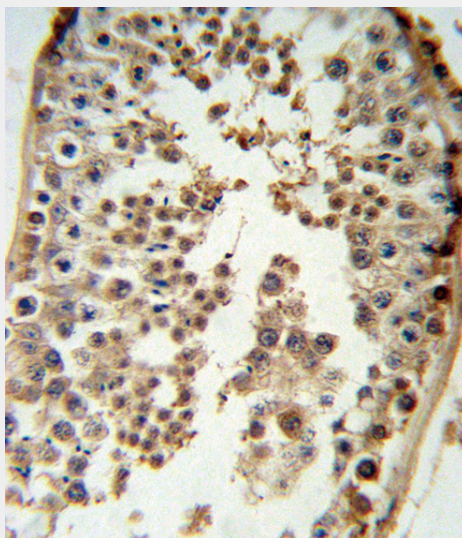
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p19 Antibody (N-term) - Images

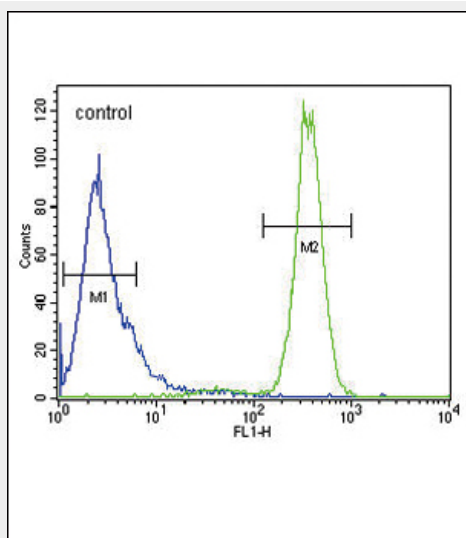
Western blot analysis of p19 Antibody (N-term) (Cat. #AP9406a) in mouse testis tissue lysates (35ug/lane). p19 (arrow) was detected using the purified Pab.



Anti-p19 Antibody (N-term) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



p19 Antibody (N-term)(Cat. #AP9406a) IHC analysis in formalin fixed and paraffin embedded testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the p19 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



p19 Antibody (N-term) (Cat. #AP9406a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

p19 Antibody (N-term) - Background

p19 is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis.

p19 Antibody (N-term) - References

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)
Zhang, W., et al. Acta Biochim. Biophys. Sin. (Shanghai) 41(5):414-428(2009)
Agarwal, S.K., et al. J. Clin. Endocrinol. Metab. 94(5):1826-1834(2009)
Goode, E.L., et al. Cancer Epidemiol. Biomarkers Prev. 18(3):935-944(2009)
Mavaddat, N., et al. Cancer Epidemiol. Biomarkers Prev. 18(1):255-259(2009)