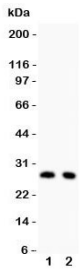
p27KIP1 Polyclonal Antibody (R31499)

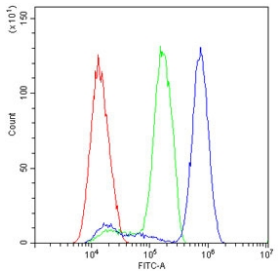
Catalog No.	Formulation	Size
R31499	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

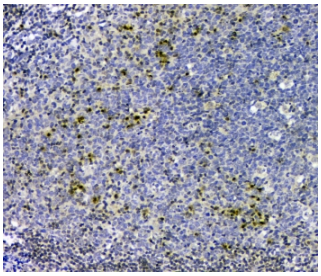
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	1027
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/10^6 cells Immunocytochemistry (FFPE): 2-4ug/ml
Limitations	This p27KIP1 Polyclonal Antibody is available for research use only.



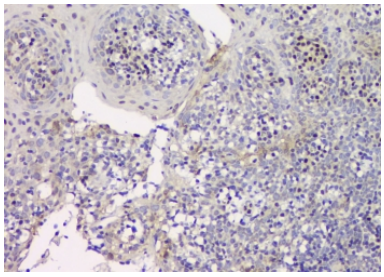
p27KIP1 Polyclonal Antibody WB. Western blot testing of p27KIP1 antibody and Lane 1: rat thymus; 2: rat brain lysate. Expected/observed molecular weight ~27 kDa.



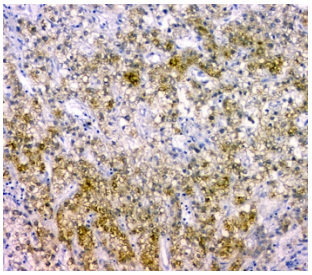
p27KIP1 Polyclonal Antibody FACS. Flow cytometry testing of human SiHa cells with p27KIP1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= p27KIP1 antibody.



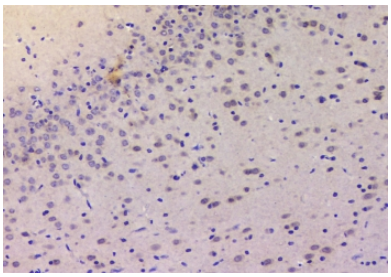
IHC staining of FFPE human tonsil with p27KIP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



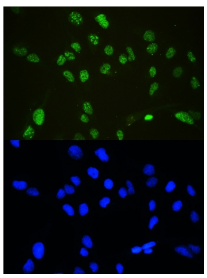
IHC staining of FFPE human tonsil with p27KIP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer with p27KIP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



p27KIP1 Polyclonal Antibody Immunohistochemistry. IHC staining of FFPE rat brain with p27KIP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



p27KIP1 Polyclonal Antibody Immunocytochemistry. ICC staining of FFPE human U-2 OS cells with p27KIP1 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

p27KIP1 Polyclonal Antibody detects Cyclin-dependent kinase inhibitor 1B, also known as KIP1 or P27, an enzyme inhibitor that in humans is encoded by the CDKN1B gene. It encodes a protein which belongs to the Cip/Kip family of cyclin dependent kinase (Cdk) inhibitor proteins. p27KIP1 can inhibit both CDK activation and the kinase activity of assembled and activated cyclin-CDK. The function of the protein is associated with an aggressive phenotype in human breast cancer. Downregulation of p27KIP1 by CK2-alpha-prime is necessary for development of agonist- and stress-induced cardiac hypertrophy.

For additional research options, explore our highly published p27Kip1 Antibody SX53G8, a well-established monoclonal antibody targeting CDKN1B.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the p27KIP1 Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 10-198) was used as the immunogen for this p27KIP1 antibody.

Storage

After reconstitution, the p27KIP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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