

CDKN1C / p57 Kip2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15653**Specification**

CDKN1C / p57 Kip2 Antibody (N-Terminus) - Product Information

| | |
|-------------------|------------------------|
| Application | IHC, IF, WB |
| Primary Accession | P49918 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 32kDa KDa |

CDKN1C / p57 Kip2 Antibody (N-Terminus) - Additional Information**Gene ID** 1028**Other Names**

Cyclin-dependent kinase inhibitor 1C, Cyclin-dependent kinase inhibitor p57, p57Kip2, CDKN1C, KIP2

Target/Specificity

Human CDKN1C / p57 Kip2. At least three isoforms of CDKN1C are known to exist; this antibody will detect all three isoforms. Despite its predicted molecular weight, CDKN1C often migrates at 57kD in SDS-PAGE. CDKN1C antibody is predicted to not cross ...

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CDKN1C / p57 Kip2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CDKN1C / p57 Kip2 Antibody (N-Terminus) - Protein Information**Name** CDKN1C**Synonyms** KIP2**Function**

Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.

Cellular Location

Nucleus.

Tissue Location

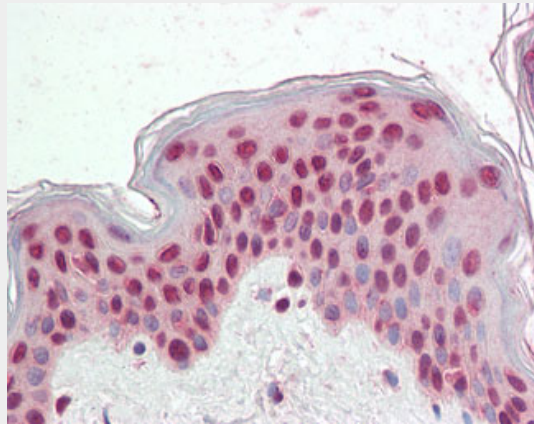
Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. Expressed in the eye. High levels are seen in the placenta while low levels are seen in the liver

CDKN1C / p57 Kip2 Antibody (N-Terminus) - Protocols

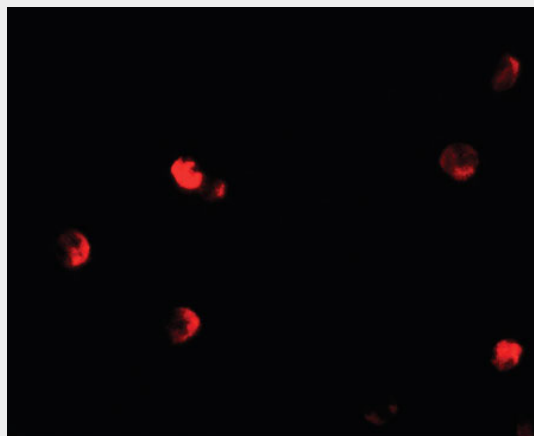
Provided below are standard protocols that you may find useful for product applications.

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

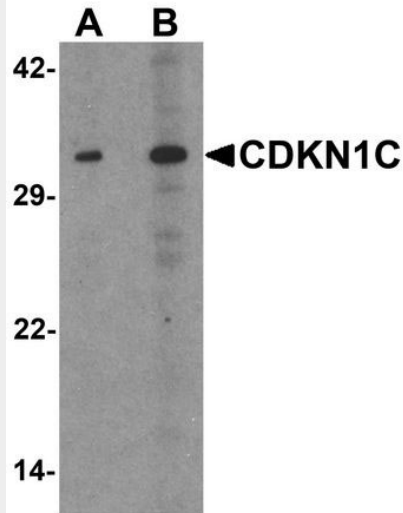
CDKN1C / p57 Kip2 Antibody (N-Terminus) - Images



Anti-CDKN1C / p57 KIP2 antibody IHC staining of human skin.



Immunofluorescence of CDKN1C in 293 cells with CDKN1C antibody at 20 ug/ml.



Western blot analysis of CDKN1C in 293 cell lysate with CDKN1C antibody at (A) 1 and (B) 2 ug/ml.

CDKN1C / p57 Kip2 Antibody (N-Terminus) - Background

Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.

CDKN1C / p57 Kip2 Antibody (N-Terminus) - References

- Matsuoka S., et al. *Genes Dev.* 9:650-662(1995).
- Reid L.H., et al. *Cancer Res.* 56:1214-1218(1996).
- Tokino T., et al. *Hum. Genet.* 97:625-631(1996).
- Lam W.W.K., et al. *J. Med. Genet.* 36:518-523(1999).
- Dephoure N., et al. *Proc. Natl. Acad. Sci. U.S.A.* 105:10762-10767(2008).