

**[KO Validated] CDKN1B/p27KIP1 Rabbit
Monoclonal Antibody
CAB19095**



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

27kDa

Calculated MW:

27kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Protein Background

This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4). [provided by RefSeq, Apr 2014]

Immunogen information

Gene ID:

1027

Uniprot

P46527

Synonyms:

CDKN1B; CDKN4; KIP1; MEN1B; MEN4; P27KIP1; p27 KIP 1

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

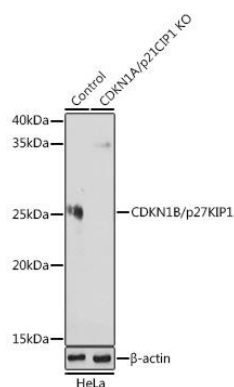
Immunogen:

A synthesized peptide derived from human CDKN1B/p27KIP1

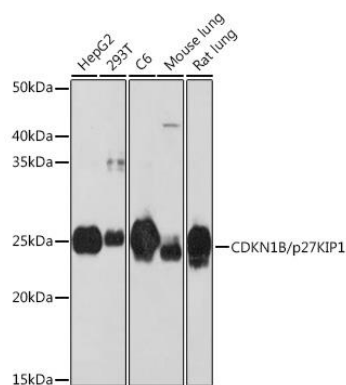
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

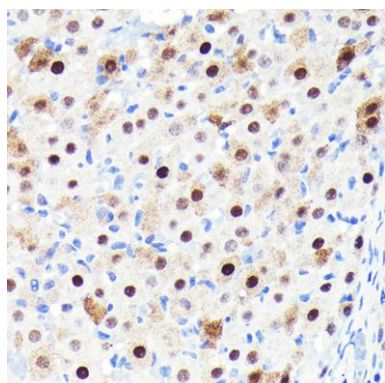
Product Images



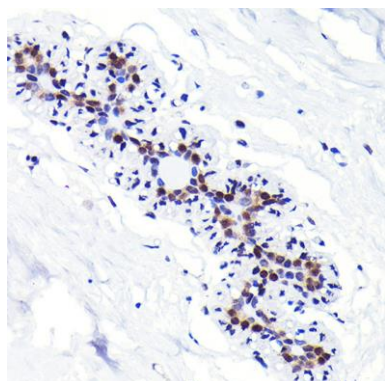
Western blot analysis of extracts from normal (control) and CDKN1B/p27KIP1 knockout (KO) HeLa cells, using CDKN1B/p27KIP1 antibody (CAB19095) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 3min.



Western blot analysis of extracts of various cell lines, using CDKN1B/p27KIP1 antibody (CAB19095) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 3min.



Immunohistochemistry of paraffin-embedded rat ovary using CDKN1B/p27KIP1 Rabbit mAb (CAB19095) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast using CDKN1B/p27KIP1 Rabbit mAb (CAB19095) at dilution of 1:100 (40x lens).