

[KO Validated] CDKN1A/p21CIP1 Antibody

CAB2691

Description

This [KO Validated] CDKN1A/p21CIP1 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB2691

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Polyclonal Antibody

Synonyms: P21, CIP1, SDI1, WAF1, CAP20, CDKN1, MDA-6, p21CIP1, CDKN1A/p21CIP1

Clone: -

Applications:    

Conjugation: Unconjugated

Reactivity: Human, Mouse

Antibody Data

Gene ID: 1026

Uniprot: AB_2863018

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 18kDa(Mouse)/21kDa(Human/Rat)/21KD

Calculated MW: 18kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

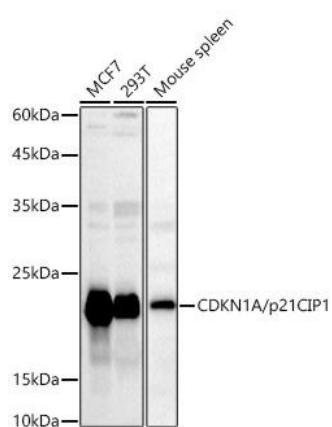
Positive Sample: MCF7, 293T, Mouse spleen, MCF7

Recommended Dilutions:

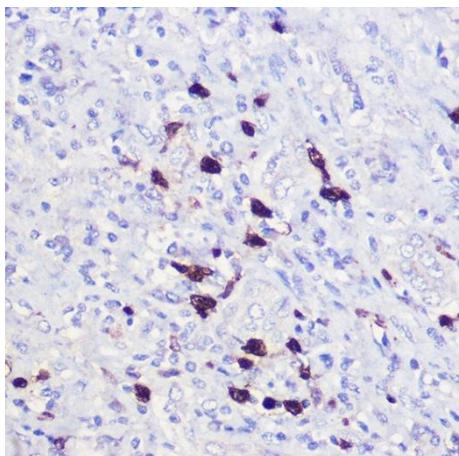
| | |
|--------------|---|
| WB | 1:500 - 1:1000 |
| IHC-P | 1:50 - 1:200 |
| IP | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

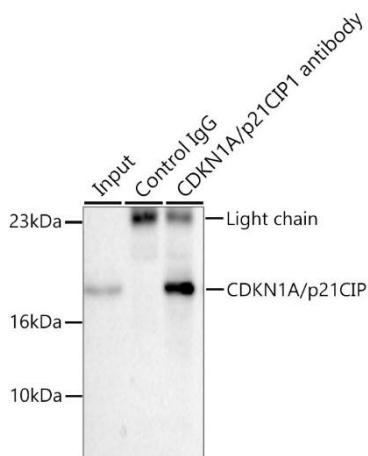
Validation Data



Western blot analysis of various lysates using CDKN1A/p21CIP1 Rabbit pAb (CAB2691) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human liver using CDKN1A/p21CIP1 Rabbit pAb (CAB2691) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunoprecipitation of CDKN1A/p21CIP1 from 200 µg extracts of cells was performed using 0.5 µg of CDKN1A/p21CIP1 Rabbit pAb (CAB2691). Rabbit IgG isotype control (CABC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CDKN1A/p21CIP1 Rabbit pAb (CAB2691) at a dilution of 1:500.