

# Rabbit Control IgG

Catalog No.: AC005 **279 Publications**

## Basic Information

### Observed MW

### Calculated MW

### Category

Loading control antibody

### Applications

IP,ChIP

### Cross-Reactivity

## Background

The protein encoded by this gene is a transcriptional regulator and tumor suppressor, serving as an activator of genes involved in both innate and acquired immune responses. The encoded protein activates the transcription of genes involved in the body's response to viruses and bacteria, playing a role in cell proliferation, apoptosis, the immune response, and DNA damage response. This protein represses the transcription of several other genes. As a tumor suppressor, it both suppresses tumor cell growth and stimulates an immune response against tumor cells. Defects in this gene have been associated with gastric cancer, myelogenous leukemia, and lung cancer.

## Recommended Dilutions

**IP** 0.5ug-4ug antibody for  
200ug-400ug extracts of  
whole cells

**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

## Immunogen Information

### Gene ID

Swiss Prot

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

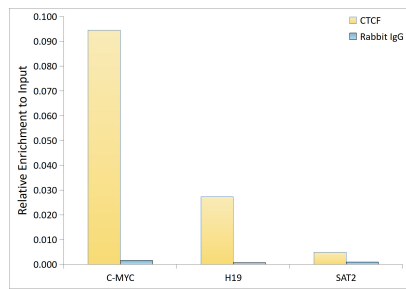
Potein A/G purification

### Storage

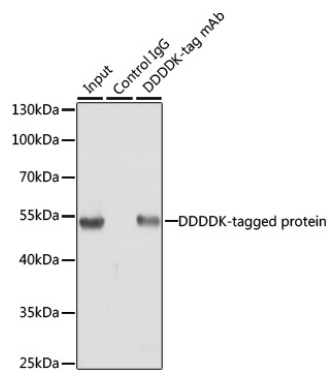
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

## Validation Data



Chromatin immunoprecipitation was performed with 15  $\mu\text{g}$  of cross-linked chromatin from HeLa cells, using 5  $\mu\text{g}$  of Rabbit Control IgG (AC005) and CTCF Rabbit pAb (A1133). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



Immunoprecipitation of over-expressed DDDD-tagged protein in 293T cells incubated using DDDD-tag antibody (AE063). Secondary antibody: HRP-conjugated AffiniPure Mouse Anti-Rabbit IgG Light Chain (AS061). A mock served as negative control using rabbit Control IgG [AC005] and over-expressed 293T cell lysate served as positive control.