# E2F6 Rabbit mAb

Catalog No.: A11546 Recombinant 1 Publications



# **Basic Information**

### **Observed MW**

35kDa

#### **Calculated MW**

32kDa

### Category

Primary antibody

### **Applications**

WB,ChIP,CUT&Tag,ELISA

### **Cross-Reactivity**

Human

### CloneNo number

ARC0628

# **Background**

This gene encodes a member of a family of transcription factors that play a crucial role in the control of the cell cycle. The protein encoded by this gene lacks the transactivation and tumor suppressor protein association domains found in other family members, and contains a modular suppression domain that functions in the inhibition of transcription. It interacts in a complex with chromatin modifying factors. There are pseudogenes for this gene on chromosomes 22 and X. Alternative splicing results in multiple transcript variants.

# **Recommended Dilutions**

**WB** 1:1000 - 1:2000

**ChIP** 5μg antibody for

10μg-15μg of Chromatin

CUT&Tag 10<sup>5</sup> cells /1 μg

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** 1876 075461

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

# **Synonyms**

E2F-6; E2F6

### **Contact**

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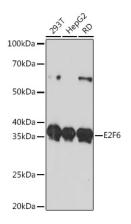
# **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

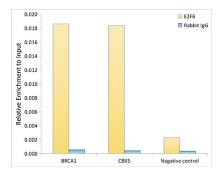


Western blot analysis of various lysates using E2F6 Rabbit mAb (A11546) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

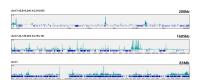
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Chromatin immunoprecipitation analysis of extracts of 293T cells, using E2F6 antibody (A11546) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from  $10^5$  K562 cells with 1  $\mu g$  E2F6 Rabbit mAb (A11546), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of E2F6 in representative gene loci (BRCA1), as shown in figure.