

# ELF3 Rabbit mAb

Catalog No.: A29186 **Recombinant**

## Basic Information

### Observed MW

42 kDa

### Calculated MW

39 kDa/41 kDa

### Category

Primary antibody

### Applications

WB,IP,IF/ICC,ChIP,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC4062

## Background

Enables DNA-binding transcription activator activity, RNA polymerase II-specific and sequence-specific double-stranded DNA binding activity. Involved in inflammatory response; negative regulation of DNA-templated transcription; and positive regulation of transcription by RNA polymerase II. Located in Golgi apparatus; cytosol; and nucleoplasm.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

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

**IF/ICC** 1:400 - 1:2000

**ChIP** 2 µg antibody for 10 µg - 15  
µg of Chromatin

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on your  
specific assay requirements.  
For high-ratio antibody  
dilutions (≥1:10000) a  
sequential dilution method  
is strongly recommended to  
ensure measurement  
accuracy.

## Immunogen Information

### Gene ID

1999

### Swiss Prot

P78545

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

ERT; ESX; EPR-1; ESE-1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

---

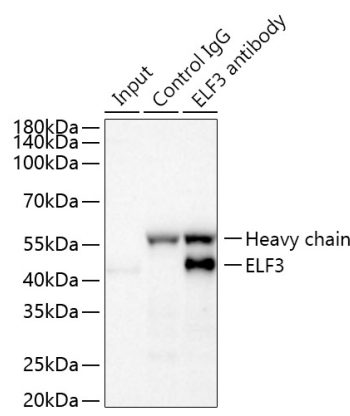
☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

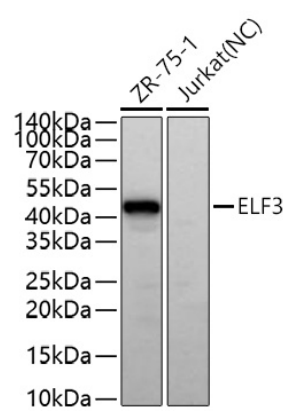
🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

---

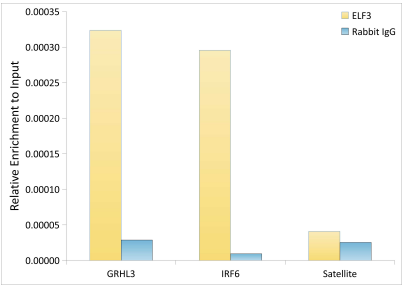
Validation Data



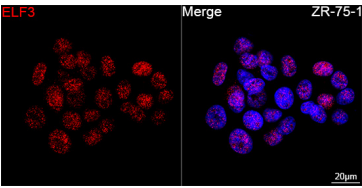
Immunoprecipitation of ELF3 from 300 µg extracts of HCC78 cells was performed using 2 µg of ELF3 Rabbit mAb (A29186). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using ELF3 Rabbit mAb (A29186) at a dilution of 1:5000.



Western blot analysis of various lysates using ELF3 Rabbit mAb (A29186) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Negative control (NC): Jurkat.  
Exposure time: 45 s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from Capan-2 cells, using 2 µg of ELF3 Rabbit mAb(A29186) and Rabbit IgG isotype control (AC042). 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.



## Validation Data

---

Confocal imaging of ZR-75-1 cells using ELF3 Rabbit mAb (A29186, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.