Leader in Biomolecular Solutions for Life Science

# ESE1/ELF3 Rabbit mAb

Catalog No.: A5236 Recombinant 2 Publications



### **Basic Information**

**Observed MW** 42kDa

**Calculated MW** 41kDa

Category Primary antibody

Applications WB,ELISA,ChIP,CUT&Tag

**Cross-Reactivity** Human, Mouse, Rat

**CloneNo number** ARC1191

### 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 transcription, DNA-templated; and positive regulation of transcription by RNA polymerase II. Located in Golgi apparatus; cytosol; and nucleoplasm.

### **Recommended Dilutions**

WB	1:1000 - 1:6000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
ChIP	5µg antibody for 10µg-15µg of Chromatin
CUT&Tag	10⁵ cells /1 μg

# **Immunogen Information**

#### Gene ID 1999

Swiss Prot P78545

#### Immunogen

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

#### Synonyms

ERT; ESX; EPR-1; ESE-1; ESE1/ELF3

### Contact

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## **Product Information**

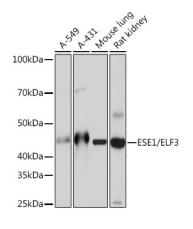
Source Rabbit

Isotype lgG

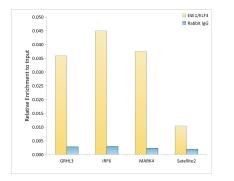
**Purification** Affinity purification

#### Storage

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



Western blot analysis of various lysates using ESE1/ELF3 Rabbit mAb (A5236) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Chromatin immunoprecipitation analysis of extracts of HepG2 cells, using ESE1/ELF3 antibody (A5236) 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.

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CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from  $10^5$  HepG5 with 1µg ESE1 (A5236) , along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of ESE1 in representative gene loci (MARK4), as shown in figure.