# TFE3 Rabbit mAb

Catalog No.: A0548 Recombinant 3 Publications



## **Basic Information**

#### **Observed MW**

70kDa

#### **Calculated MW**

62kDa

### Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC1829

## **Background**

This gene encodes a basic helix-loop-helix domain-containing transcription factor that binds MUE3-type E-box sequences in the promoter of genes. The encoded protein promotes the expression of genes downstream of transforming growth factor beta (TGF-beta) signaling. This gene may be involved in chromosomal translocations in renal cell carcinomas and other cancers, resulting in the production of fusion proteins. Translocation partners include PRCC (papillary renal cell carcinoma), NONO (non-POU domain containing, octamer-binding), and ASPSCR1 (alveolar soft part sarcoma chromosome region, candidate 1), among other genes. Alternative splicing results in multiple transcript variants.

## **Recommended Dilutions**

**WB** 1:1000 - 1:4000

IHC-P 1:100 - 1:400

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL.

Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**7030

Swiss Prot
P19532

### **Immunogen**

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

### **Synonyms**

TFEA; RCCP2; RCCX1; MRXSPF; bHLHe33; TFE3

## **Contact**

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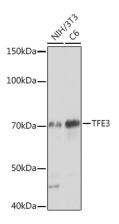
### **Product Information**

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.



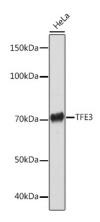
Western blot analysis of various lysates using TFE3 Rabbit mAb (A0548) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



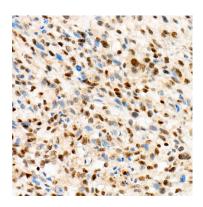
Western blot analysis of lysates from HeLa cells, using TFE3 Rabbit mAb (A0548) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunohistochemistry analysis of paraffinembedded Human acinar soft tissue sarcoma using TFE3 Rabbit mAb (A0548) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.