

## TFE3

**Reactivity:**Human Mouse

**Tested applications:**WB IF

**Recommended Dilution:**WB 1:500 - 1:2000 IF 1:20 - 1:50

**Calculated MW:**62kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic Peptide of human TFE3

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

TFEA; RCCP2; RCCX1; bHLHe33;

**Catalog #:**A4153

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7030

**Isotype:**IgG

**Swiss Prot:**P19532

**Purity:**Affinity purification

For research use only.

**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.

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