

## TCF4

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**71kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human TCF4

**Storage Buffer:**

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

**Concentration:**

μg/ml

**Synonym:**

E2-2;ITF2;PTHS;SEF2;ITF-2;SEF-2;TCF-4;SEF2-1;SEF2-1A;SEF2-1B; bHLHb19

**Catalog #:**A1141

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6925

**Isotype:**IgG

**Swiss Prot:**P15884

**Purity:**Affinity purification

For research use only.

**Background:**

LEF1 and TCF are members of the high mobility group (HMG) DNA binding protein family of transcription factors that consists of the following: Lymphoid Enhancer Factor 1 (LEF1), T Cell Factor 1 (TCF1), TCF3, and TCF4 (1). LEF1 and TCF1 were originally identified as important factors regulating early lymphoid development (2) and act downstream in Wnt signaling. LEF1 and TCF bind to Wnt response elements to provide docking sites for  $\beta$ -catenin, which translocates to the nucleus to promote the transcription of target genes upon activation of Wnt signaling (3). LEF1 and TCF are dynamically expressed during development and aberrant activation of the Wnt signaling pathway is involved in many types of cancers including colon cancer (4,5).

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