



# TCF-3 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-02089
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TCF7L1
<b>Protein Name</b>	Transcription factor 7-like 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TCF7L1. AA range:321-370
<b>Specificity</b>	TCF-3 Polyclonal Antibody detects endogenous levels of TCF-3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TCF7L1; TCF3; Transcription factor 7-like 1; HMG box transcription factor 3; TCF-3
<b>Observed Band</b>	63kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium.
<b>Function</b>	domain:The putative Groucho interaction domain between the N-terminal CTNNB1 binding domain and the HMG-box is necessary for repression of the transactivation mediated by TCF7L1 and CTNNB1.,function:Participates in the Wnt signaling pathway. Binds to DNA and acts as a repressor in the absence of CTNNB1, and as an activator in its presence. Necessary for the terminal differentiation of epidermal cells, the formation of keratohyalin granules and the development of the barrier function of the epidermis (By similarity). Down-regulates NQO1, leading to increased mitomycin c resistance.,similarity:Belongs to the TCF/LEF family.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the armadillo repeat of CTNNB1 and forms a stable complex.,tissue specificity:Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium.,



### Background

This gene encodes a member of the T cell factor/lymphoid enhancer factor family of transcription factors. These transcription factors are activated by beta catenin, mediate the Wnt signaling pathway and are antagonized by the transforming growth factor beta signaling pathway. The encoded protein contains a high mobility group-box DNA binding domain and participates in the regulation of cell cycle genes and cellular senescence. [provided by RefSeq, Nov 2010],

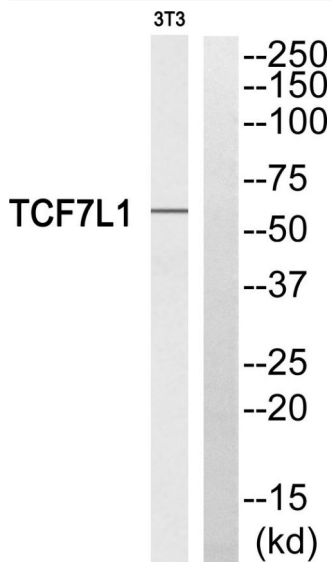
### matters needing attention

Avoid repeated freezing and thawing!

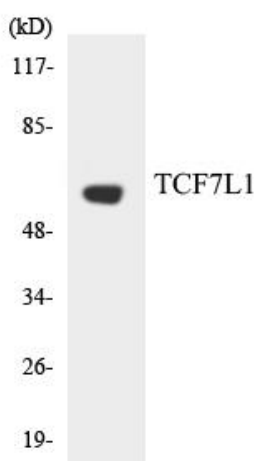
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of TCF7L1 Antibody. The lane on the right is blocked with the TCF7L1 peptide.



Western blot analysis of the lysates from HUVEC cells using TCF7L1 antibody.