



Rabbit Anti-TCF7L1 antibody

SL12891R

Product Name:	TCF7L1
Chinese Name:	转录因子7样蛋白1抗体
Alias:	bHLHb21; HMG box transcription factor 3; HMG box transcription factor; OTTMUSP00000023419; T cell factor 3; TCF 3; TCF-3; TCF3; Tcf7l1; TF7L1_HUMAN; Transcription factor 7 like 1 (T-cell specific, HMG-box); Transcription factor 7 like 1; Transcription factor 7-like 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TCF7L1:51-150/588
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

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.

Subcellular Location:

Nucleus.

Tissue Specificity:

Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium.

Similarity:

Belongs to the TCF/LEF family.
Contains 1 HMG box DNA-binding domain.

SWISS:

Q9HCS4

Gene ID:

83439

Database links:

[Entrez Gene: 83439](#) Human

[Entrez Gene: 21415](#) Mouse

[Entrez Gene: 312451](#) Rat

[Omim: 604652](#) Human

[SwissProt: Q9HCS4](#) Human

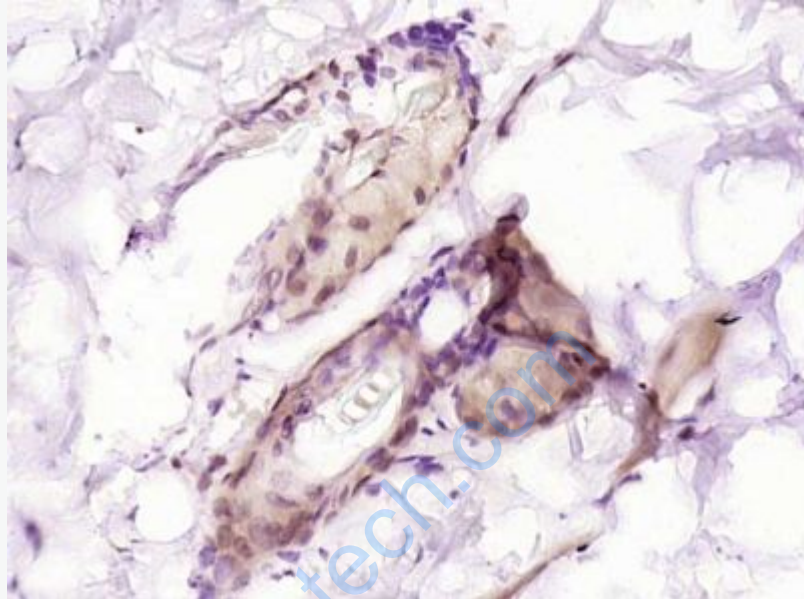
[SwissProt: Q9Z1J1](#) Mouse

[Unigene: 516297](#) Human

[Unigene: 440067](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Human skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TCF7L1) Polyclonal Antibody, Unconjugated (SL12891R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.