

Anti-TCF7L1 Picoband Antibody

Catalog # ABO12583

Product Information

Application	WB, IHC-P
Primary Accession	Q9HCS4
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transcription factor 7-like 1(TCF7L1) detection. Tested with WB, IHC-P in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	83439
Other Names	Transcription factor 7-like 1, HMG box transcription factor 3, TCF-3, TCF7L1, TCF3
Calculated MW	62631
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Nucleus.
Tissue Specificity	Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium. .
Source	Eukaryota
Protein Name	Transcription factor 7-like 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TCF7L1 (561-588aa SFPATLHAHQALPVLQAQPLSLVTKSAH), different from the related mouse sequence by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

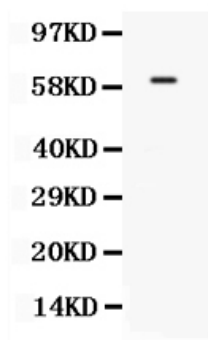
Protein Information

Name	TCF7L1
Synonyms	TCF3
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.
Cellular Location	Nucleus.
Tissue Location	Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium

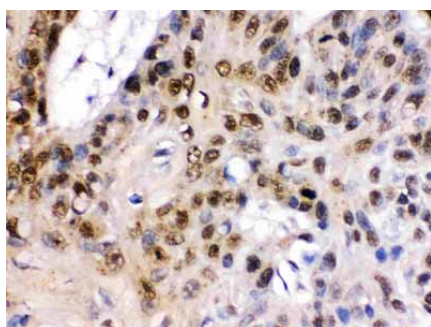
Background

Transcription factor 7-like 1 (T-cell specific, HMG-box), also known as TCF7L1, is a human gene. 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.

Images



Western blot analysis of TCF7L1 expression in COLO320 whole cell lysates (lane 1). TCF7L1 at 63KD was detected using rabbit anti- TCF7L1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12583) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



TCF7L1 was detected in paraffin-embedded sections of human oesophagus squama cancer tissues using rabbit anti- TCF7L1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12583) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.