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Anti-TCF7L1 Picoband Antibody

Catalog # ABO12583

Specification

Anti-TCF7L1 Picoband Antibody - 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.

Anti-TCF7L1 Picoband Antibody - Additional Information

Gene ID 83439

Other Names
Transcription factor 7-like 1, HMG box transcription factor 3, TCF-3, TCF7L1, TCF3

Calculated MW
62631 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Nucleus.

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

Protein Name
Transcription factor 7-like 1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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.**

Anti-TCF7L1 Picoband Antibody - 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

Anti-TCF7L1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TCF7L1 Picoband Antibody - Images

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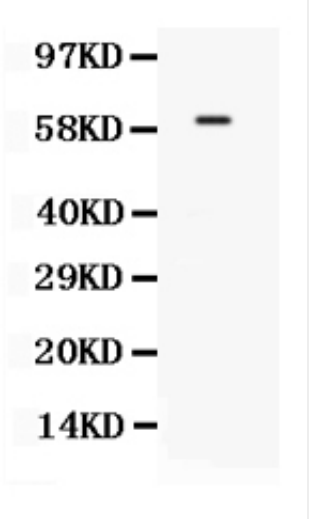
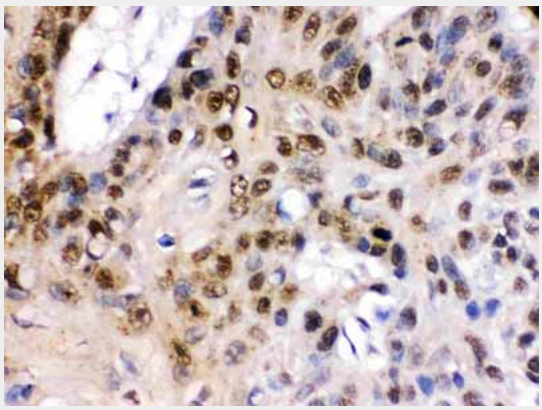


Western blot analysis of TCF7L1 expression in COLO320 whole cell lysates (lane 1). TCF7L1 at 63KD was detected using rabbit anti- TCF7L1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12583) at0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .



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 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-TCF7L1 Picoband Antibody - 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.