

# TCF7L1 Rabbit pAb

Catalog # AP98326

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Primary Accession</b>       | <a href="#">Q9HCS4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other Accession</b>         | <a href="#">Q9HCS4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Calculated MW</b>           | 62631                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human TCF7L1                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Epitope Specificity</b>     | 51-150/588                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>SIMILARITY</b>              | Belongs to the TCF/LEF family. Contains 1 HMG box DNA-binding domain.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Background Descriptions</b> | 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] |

## Additional Information

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| <b>Gene ID</b>     | 83439                                                                                                                                                                                                                                    |
| <b>Other Names</b> | Tcf-3; Tcf3; bHLHb21; TF7L1_HUMAN; TCF7L1; HMG box transcription factor 3 (TCF-3); TF7L1_MOUSE; HMG box transcription factor 3 (TCF-3   mTCF-3); transcription factor 7 like 1; transcription factor 7-like 1 (T-cell specific, HMG-box) |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                                                             |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.                                          |

## Protein Information

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| <b>Name</b> | TCF7L1 |
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| <b>Synonyms</b>          | TCF3                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Location</b>   | Detected in hair follicles and skin keratinocytes, and at lower levels in stomach epithelium                                                                                                                                                                                                                                                                                                         |

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