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TCF7L1 Rabbit pAb

Catalog # AP98326

Product Information

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

Gene ID	83439
Other Names	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)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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

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

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