

KD-Validated Anti-Transcription Factor 7 Like 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1379

Product Information

Application	WB, FC, ICC
Primary Accession	Q9NQB0
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3275
Calculated MW	67919
Gene Name	TCF7L2
Aliases	TCF7L2; Transcription Factor 7 Like 2; TCF-4; TCF4; Transcription Factor 7-Like 2 (T-Cell Specific, HMG-Box); T-Cell-Specific Transcription Factor 4; HMG Box Transcription Factor 4; Transcription Factor 7-Like 2; T-Cell Factor 4; HTCF-4
Immunogen	A synthesized peptide derived from human TCF7L2

Additional Information

Gene ID	6934
Other Names	Transcription factor 7-like 2, HMG box transcription factor 4, T-cell-specific transcription factor 4, T-cell factor 4, TCF-4, hTCF-4, TCF7L2, TCF4

Protein Information

Name	TCF7L2
Synonyms	TCF4
Function	Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as a repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif 5'-CCTTTGATC-3' in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1. Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.
Cellular Location	Nucleus, PML body. Nucleus. Note=Diffuse pattern. Colocalizes with SUMO1 and PIAS4 in a subset of PML (promyelocytic leukemia) nuclear bodies
Tissue Location	Detected in epithelium from small intestine, with the highest expression at the top of the crypts and a gradient of expression from crypt to villus.

Detected in colon epithelium and colon cancer, and in epithelium from mammary gland and carcinomas derived therefrom.

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