

TCF7L2 / TCG4 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS12938**Specification**

TCF7L2 / TCG4 Antibody - Product Information

Application	IHC
Primary Accession	O9NOB0
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68kDa KDa

TCF7L2 / TCG4 Antibody - 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

Target/Specificity

Reacts with TCF4. TCF4 (transcription factor 7-like 2; 66 kD) serves as a transcriptional activator affecting e. g. cell cycle and terminal cell differentiation.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

TCF7L2 / TCG4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TCF7L2 / TCG4 Antibody - 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

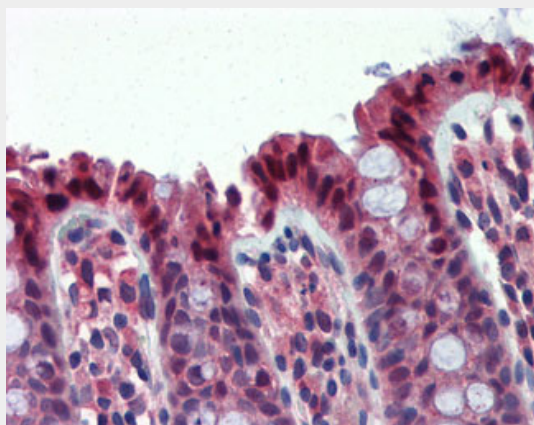
Detected in epithelium from small intestine, with the highest expression at the top of the crypts and a gradient of expression from crypt to villus. Detected in colon epithelium and colon cancer, and in epithelium from mammary gland and carcinomas derived therefrom.

TCF7L2 / TCG4 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 Cytometry](#)
- [Cell Culture](#)

TCF7L2 / TCG4 Antibody - Images



Anti-TCF7L2 antibody IHC of human colon.

TCF7L2 / TCG4 Antibody - Background

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TCF7L2 / TCG4 Antibody - References

Korinek V., et al. Science 275:1784-1787(1997).
Duval A., et al. Cancer Res. 60:3872-3879(2000).
Prokunina-Olsson L., et al. Hum. Mol. Genet. 18:3795-3804(2009).
Tsedensodnom O., et al. Exp. Cell Res. 317:920-931(2011).

Iseki H.,et al.Submitted (JUN-2008) to the EMBL/GenBank/DDBJ databases.