

TCF-4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252141

Unit: 0.1 mg

Description:

T-cell-specific transcription factor 4 (TCF-4) participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. TCF-4 acts as repressor in the absence of CTNNB1, and as activator in its presence. TCF-4 activates transcription from promoters with several copies of the Tcf motif 5'-CCTTTGATC-3' in the presence of CTNNB1. Expression of dominant-negative TCF-4 mutants results in cell-cycle arrest in G1. Genetic variations in TCF-4 are associated with susceptibility to non-insulin-dependent diabetes mellitus (NIDDM). NIDDM is characterized by an autosomal dominant mode of inheritance, onset during adulthood and insulin resistance.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

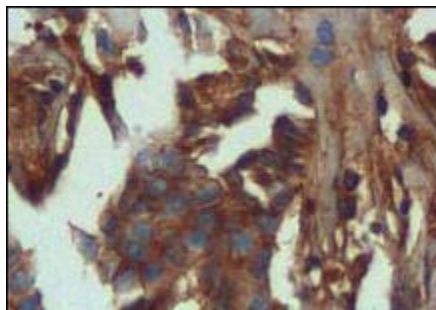
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate 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

Accession No.: Q9NQB0

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TCF-4.

Application Notes: E: 1:10,000-1:50,000; WB: 1:100-1:1,000; IHC: 1:50-1:250



T-cell factor 4 staining in human prostatic carcinoma. Paraffin-embedded human prostatic carcinoma is stained with TCF-4 Antibody (Cat. No. 252141) used at 1:100 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.