Rabbit Anti-TCF7L2 monoclonal antibody, clone TD17-01 (CABT-L712)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	TCF7L2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD17-01
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	68 kDa
Cellular Localization	Nucleus.
Positive Control	Jurkat, SW480, Hela, D3, human breast carcinoma tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	T cell factors (TCFs) comprise a family of DNA-binding transcriptional activators that are essential for lymphoid cell development. These transcription factors are activated by the Wnt-1 and Wingless pathways and are characterized by the presence of a conserved protein motif, the high mobility group (HMG) 1 box, which mediates DNA binding. TCF-4 mainly localizes in the cytoplasm and is transported into the nucleus directly bound to β-catenin in a cooperative manner. This TCF-4/β-catenin complex induces expression of Wnt target genes, including multiple cancer-associated genes. c-Jun also interacts with TCF-4 and β-catenin, and the phosphorylation-dependent interaction between c-Jun and TCF4 regulates intestinal tumorigenesis by integrating JNK and APC/β-catenin. TCF-4 is also implicated in bipolar affective disorder.
Keywords	HMG box transcription factor 4;hTCF 4;hTCF-4;T cell factor 4;T cell specific HMG box;T cell specific transcription factor 4;T-cell factor 4;T-cell-specific transcription factor 4;TCF 4;TCF-4;TCF4;TCF7L2;TCF7L2 protein;TF7L2_HUMAN;Transcription factor 7 like 2;Transcription factor 7 like 2 T cell specific HMG box;Transcription factor 7-like 2 antibody