



Rabbit Anti-Human TCF7L2 monoclonal antibody, clone F.009.3 (CABT-L1631)

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

PRODUCT INFORMATION

Target	TCF7L2
Immunogen	Synthetic peptide corresponding to residues surrounding Glu81 of human TCF4
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	F.009.3
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ChIP, IP, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	TCF7L2, or TCF4, is a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. TCF7L2 has been implicated in glucose homeostasis
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through the regulation of pro-glucagon gene expression, which encodes glucagon-like peptide 1 (GLP-1). Genetic variants of TCF7L2 have been linked to type 2 diabetes, and it has specifically been shown to have an important role in the regulation of both beta-cell survival and function. Several splicing isoforms for TCF7L2 have been shown to be differentially expressed in tissues during cancer progression, and gene targeting studies indicate that TCF7L2 is required to maintain the crypt stem cells of the small intestine.

Keywords

TCF7L2;transcription factor 7-like 2 (T-cell specific, HMG-box);TCF4;TCF-4;transcription factor 7-like 2;hTCF-4;T-cell factor 4;T-cell factor-4 variant A;T-cell factor-4 variant B;T-cell factor-4 variant C

GENE INFORMATION

Entrez Gene ID

[6934](#)

UniProt ID

[Q9NQB0](#)
