

Immunotag™ TCF7L2 Antibody

Antibody Specification	
Catalog No.	ITA7644
Product Description	Immunotag™ TCF7L2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TCF7L2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human TCF7L2
Specificity	TCF7L2 Antibody detects endogenous levels of total TCF7L2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TCF7L2
Accession No.	Q9NQB0
Alternate Names	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;

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Description	Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	68 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.