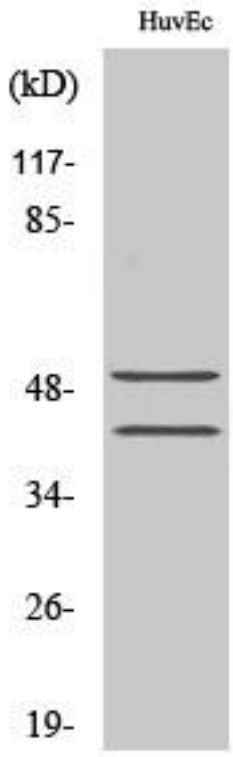
TCF-1 Monoclonal Antibody

Catalog No	YP-mAb-02088
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	TCF7
Protein Name	Transcription factor 7
Immunogen	The antiserum was produced against synthesized peptide derived from human TCF7. AA range:10-59
Specificity	TCF-1 Monoclonal Antibody detects endogenous levels of TCF-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TCF7; TCF1; Transcription factor 7; TCF-7; T-cell-specific transcription factor 1; T-cell factor 1; TCF-1
Observed Band	42kD
Cell Pathway	Nucleus.
Tissue Specificity	Predominantly expressed in T-cells. Also detected in proliferating intestinal epithelial cells and in the basal epithelial cells of mammary gland epithelium.
Function	alternative products:2 series of isoforms, L and S, are produced by use of alternative promoter usage. Additional isoforms seem to exist,function:Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T-lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1.,induction:By TCF7L2 and CTNNB1.,sequence caution:Wrong choice of frame.,similarity:Belongs to the TCF/LEF family.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the armadillo repeat of CTNNB1 and forms a stable complex. Interacts with AES, TLE1,

Background	alternative products:2 series of isoforms, L and S, are produced by use of alternative promoter usage. Additional isoforms seem to exist,function:Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T-lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1.,induction:By TCF7L2 and CTNNB1.,sequence caution:Wrong choice of frame.,similarity:Belongs to the TCF/LEF family.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the armadillo repeat of CTNNB1 and forms a stable complex. Interacts with AES, TLE1, TLE2, TLE3 and TLE4.,tissue specificity:Predominantly in T-cells. Also detected in proliferating intestinal epithelial cells and in the basal epithelial cells of mammary gland epithelium.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TCF-1 Monoclonal Antibody