Rabbit anti-Human, Mouse TCF7 Polyclonal Antibody | anti-TCF7 antibody

TCF7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323873	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

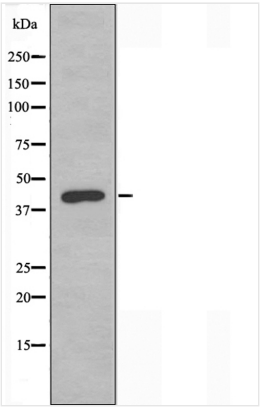
TCF7; Polyclonal Antibody; TCF7 Antibody; FLJ36364; MGC47735; OTTHUMP00000159391; T cell factor 1; T cell specific transcription factor 1; T-cell factor 1; T-cell-specific transcription factor 1; TCF-1; TCF-7; TCF1; Tcf7; TCF7 transcription factor 7; TCF7_HUMAN; Transcription factor 7 (T cell specific HMG box); Transcription factor 7; Transcription factor-7; T-cell specific; 1; anti-TCF7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TCF7 antibody detects endogenous levels of total TCF7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	269
Applicable Applications for anti-TCF7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	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.
Predicted Cross Reactivity	**Pig, Bovine, Dog**
Similarity	Pig (100%), Bovine (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA323873 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HUVEC cells using TCF7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TCF7 antibody	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. Subunit Structure: Binds the armadillo repeat of CTNNB1 and forms a stable complex (PubMed:9488439 PubMed:9783587). Interacts with AES, TLE1, TLE2, TLE3 and TLE4 (PubMed:9783587, PubMed:11266540). Interacts with MLLT11 (PubMed:26079538). Similarity: Belongs to the TCF/LEF family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	293651582
NCBI GeneID	6932
NCBI Accession #	NP_001128323.2
NCBI GenBank Nucleotide #	NM_001134851.3
UniProt Accession #	P36402; Q86WR9; Q9UKI4; B3KSH3
Molecular Weight	Observed: 42 kD Predicted: 42 kDa
NCBI Official Full Name	transcription factor 7 isoform 3
NCBI Official Synonym Full Names	transcription factor 7
NCBI Official Symbol	TCF7
NCBI Official Synonym Symbols	TCF-1
NCBI Protein Information	transcription factor 7
UniProt Protein Name	Transcription factor 7
UniProt Gene Name	**TCF7**
UniProt Synonym Gene Names	TCF1; TCF-7; T-cell factor 1; TCF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.