

TCF4 (C9B9) Antibody | anti-TCF4 antibody

TCF4 (C9B9), Monoclonal Antibody, Rabbit

CATALOG # AAA76491	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, Western Blot, Immunofluorescence
------------------------------	--	--

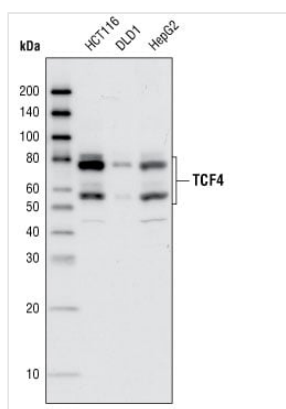
PRODUCT SYNONYMS

TCF4 (C9B9); Monoclonal Antibody; Rabbit; anti-TCF4 antibody

PRODUCT SPECIFICATIONS

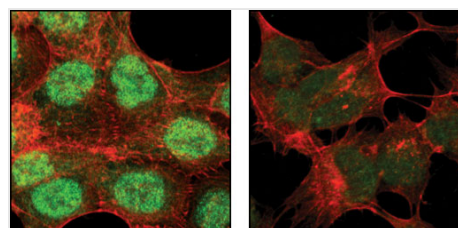
Reactivity	Human, Mouse, Rat
Form/Format	Affinity Purified - Liquid
Sequence Length	773
Applicable Applications for anti-TCF4 antibody	IP (Immunoprecipitation), WB (Western Blot), IF (Immunofluorescence)
Type Info	Rabbit IgG
Immunogen	Synthetic peptide (KLH-coupled) residues surrounding Glu81 of human TCF4.

IMAGES



Application Data

Image: Western blot analysis of total cell lysates from HCT116, DLD1 and HepG2 cells using TCF4 (C9B9) Rabbit mAb.



Application Data

Image: TCF4 (C9B9) staining of HCT-116 cells (left) or SHSY-5Y cells (right) using TCF4 (C9B9) Rabbit mAb (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-TCF4 antibody	LEF1 and TCF are members of the high mobility group (HMG) DNA binding protein family of transcription factors which consists of the following: Lymphoid enhancer factor 1 (LEF1), T Cell Factor 1 (TCF1), TCF3 and TCF4 (1). LEF1 and TCF1 were originally identified as important factors regulating early lymphoid development (2) and act downstream in Wnt signaling. LEF1/TCF bind to Wnt response elements to provide a docking site for b-catenin, which translocates to the nucleus to promote the transcription of target genes upon activation of Wnt signaling (3). LEF1/TCF proteins are dynamically expressed during development and aberrant activation of the Wnt signaling pathway is involved in many types of cancers including colon cancer (4,5). TCF4, also known as TCF7L2, is expressed widely during development. Gene targeting studies indicate that TCF4 is required to maintain the crypt stem cells of the small intestine (6,7). TCF4 has several splicing isoforms that are expressed differentially in tissues and during cancer progression (8,9). Studies also indicate that a variant of the TCF4 gene confers an increased risk of type 2 diabetes (10).
Product Categories/Family for anti-TCF4 antibody	Antibodies; Stem Cell Research Antibodies; TCF4 (C9b9)

NCBI AND UNIPROT INFORMATION

NCBI GI #	597709768
NCBI GeneID	6925
NCBI Accession #	NP_001230155.2
NCBI GenBank Nucleotide #	NM_001243226.2
Molecular Weight	48,098 Da
NCBI Official Full Name	transcription factor 4 isoform c
NCBI Official Synonym Full Names	transcription factor 4
NCBI Official Symbol	TCF4
NCBI Official Synonym Symbols	E2-2; ITF2; PTHS; SEF2; FECD3; ITF-2; SEF-2; TCF-4; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; bHLHb19
NCBI Protein Information	transcription factor 4
UniProt Protein Name	Transcription factor 4
UniProt Gene Name	TCF4
UniProt Synonym Gene Names	BHLHB19; ITF2; SEF2; TCF-4; bHLHb19; ITF-2; SEF-2
UniProt Entry Name	ITF2_HUMAN

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.