

TCF4 (C48H11) Antibody | anti-TCF4 antibody

TCF4 (C48H11), Monoclonal Antibody, Rabbit

CATALOG # AAA76492	REACTIVITY Chicken, Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, Western Blot
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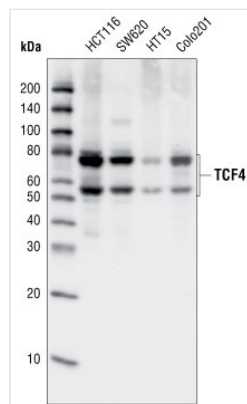
PRODUCT SYNONYMS

TCF4 (C48H11); Monoclonal Antibody; Rabbit; anti-TCF4 antibody

PRODUCT SPECIFICATIONS

Reactivity	Chicken, Human, Mouse, Rat
Specificity	TCF4 (C48H11) Rabbit mAb detects endogenous levels of total TCF4 protein.
Form/Format	Liquid in 10mM sodium HEPES (pH7.5), 150mM NaCl, 100ug BSA and 50% glycerol.
Sequence Length	773
Applicable Applications for anti-TCF4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Type Info	Rabbit IgG
Immunogen	Synthetic peptide (KLH-coupled) corresponding to (KLH-coupled) corresponding to Leu330 of human TCF4.
Preparation and Storage	Store at -20°C. Do not aliquot the antibody. Stable for up to at least 6 months. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

IMAGES



Application Data

Image: Western blot analysis of extracts from various cell types using TCF4 (C48H11) Rabbit mAb.

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 (C48H11)

NCBI AND UNIPROT INFORMATION

NCBI GI #	597709768
NCBI GeneID	6925
NCBI Accession #	NP_001230155.2
NCBI GenBank Nucleotide #	NM_001243226.2
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.

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Online datasheet: <https://stage.aaabiotech.com/chicken-human-mouse-rat-antibody/tcf4-c48h11/76492>