

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TCF7/TCF1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TCF7/TCF1 Met116-His233 Accession # P36402
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TCF7 (Transcription factor 7; also T cell factor 1/TCF1) is a 25-50 kDa member of the lymphoid enhancer binding factor family of proteins with 16 isoforms. It is expressed in thymocytes and mature T cells, and serves multiple purposes. In resting cells, TCF family members are transcriptional repressors, and are 25-32 kDa in size. Following activation, large TCF7 isoforms predominate (42-50 kDa), and serve a transcriptional activator function. Human TCF7 is 384 amino acids (aa) in length. This is likely an activating isoform that contains a β -catenin binding domain (aa 1-59), a DNA-binding HMG-box (aa 269-337), and an NLS (aa 344-348). The use of an alternate start site at Met116 seems to characterize repressor isoforms.

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