

Datasheet for ABIN6940683  
**anti-TCF4 antibody (AA 365-671)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	TCF4
Binding Specificity:	AA 365-671
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TCF4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

## Product Details

Immunogen:	Recombinant human TCF4 protein fragment (around aa 365-671) (exact sequence is proprietary)
Clone:	TCF4-1705
Isotype:	IgG2a kappa
Specificity:	Recognizes a protein of 71 kDa, identified as Transcription Factor 4 (TCF4). It is a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome.
Purification:	Purified by Protein A/G

## Target Details

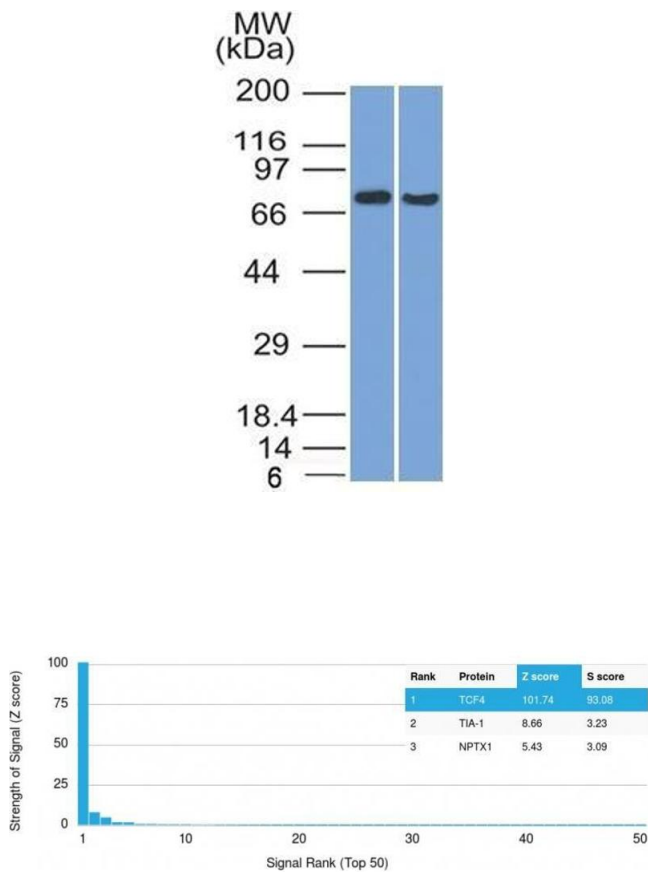
Target:	TCF4
Alternative Name:	TCF4 ( <a href="#">TCF4 Products</a> )
Molecular Weight:	71kDa
Gene ID:	6925
UniProt:	<a href="#">P15884</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Application Notes:	Positive Control: HeLa or HepG2 cells. Bladder. Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

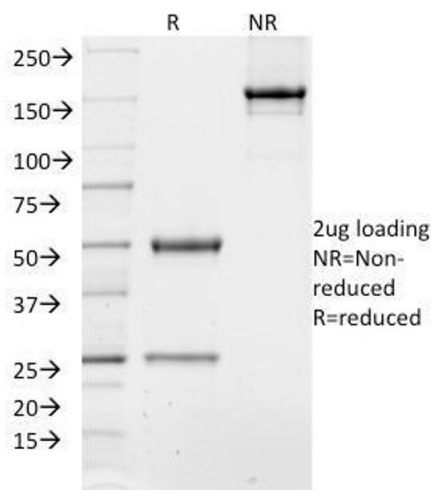


Western Blotting

**Image 1.** Western Blot (1) HeLa and (2) HepG2 cell lysate using TCF4 Mouse Monoclonal Antibody (TCF4/1705).

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using TCF4 Mouse Monoclonal Antibody (TCF4/1705) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



SDS-PAGE

**Image 3.** SDS-PAGE Analysis of Purified TCF4 Mouse Monoclonal Antibody (TCF4/1705). Confirmation of Purity and Integrity of Antibody.