## Overview

<table>
<thead>
<tr>
<th>Quantity</th>
<th>400 μL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>TCF4</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>AA 48-73, N-Term</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human, Mouse</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>This TCF4 antibody is un-conjugated</td>
</tr>
<tr>
<td>Application</td>
<td>Western Blotting (WB), Flow Cytometry (FACS)</td>
</tr>
</tbody>
</table>

## Product Details

**Immunogen:** This TCF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-73 amino acids from the N-terminal region of human TCF4.

**Clone:** RB21346

**Isotype:** Ig Fraction

**Predicted Reactivity:** M

**Purification:** This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

<table>
<thead>
<tr>
<th>Target</th>
<th>TCF4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Name</td>
<td>TCF4 (TCF4 Products)</td>
</tr>
</tbody>
</table>
Target Details

Background: TCF4 is transcription factor 4, a basic helix-turn-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 expressed predominantly in pre-B-cells, although it is found in other tissues as well. Defects in this gene are a cause of Pitt-Hopkins syndrome.

Molecular Weight: 71308

Gene ID: 6925

NCBI Accession: NP_001077431, NP_001230155, NP_001230156, NP_001230157, NP_001230159, NP_001230160, NP_001230161, NP_001230162, NP_001230163, NP_001230164, NP_001230165, NP_003190

UniProt: P15884

Pathways: WNT Signaling, Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, Regulation of Hormone Metabolic Process, Carbohydrate Homeostasis, Stem Cell Maintenance, Protein targeting to Nucleus

Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium 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,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months
**Flow Cytometry**

**Image 1.** TCF4 Antibody (N-term) (ABIN651942 and ABIN2840468) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**Western Blotting**

**Image 2.** All lanes: Anti-TCF4 Antibody (N-term) at 1:1000 dilution

- Lane 1: HepG2 whole cell lysate
- Lane 2: K562 whole cell lysate
- Lane 3: Mouse cerebellum whole tissue lysate

Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 71 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.