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Datasheet for ABIN3021530  
**anti-TCF4 antibody (AA 400-500)**

6 Images

Overview

Quantity:	100 µL
Target:	TCF4
Binding Specificity:	AA 400-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 400-500 of human TCF4 (NP_001077431.1).
Sequence:	LRNHAVGPST AMPGGHGD MH GIIGPSHNGA MGGLGSGYGT GLLSANRHSL MVGTHREDGV ALRGSHSLLP NQVPVQLPV QSATSPDLNP PQDPYRGMPP G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	TCF4
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## Target Details

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Alternative Name: TCF4 ([TCF4 Products](#))

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Background: This gene encodes transcription factor 4, 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. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can expand to >50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple alternatively spliced transcript variants that encode different proteins have been described.,TCF4,E2-2,FECD3,ITF-2,ITF2,PTHS,SEF-2,SEF2,SEF2-1,SEF2-1A,SEF2-1B,SEF2-1D,TCF-4,bHLHb19,TCF4,Epigenetics & Nuclear Signaling,Transcription Factors,Stem Cells,TCF4

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Molecular Weight: 48-71 kDa

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Gene ID: 6925

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UniProt: [P15884](#)

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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](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid freeze / thaw cycles

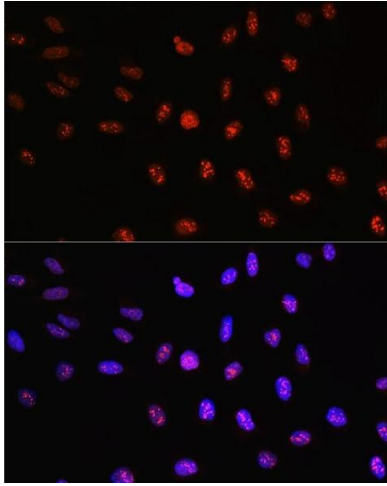
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Storage: -20 °C

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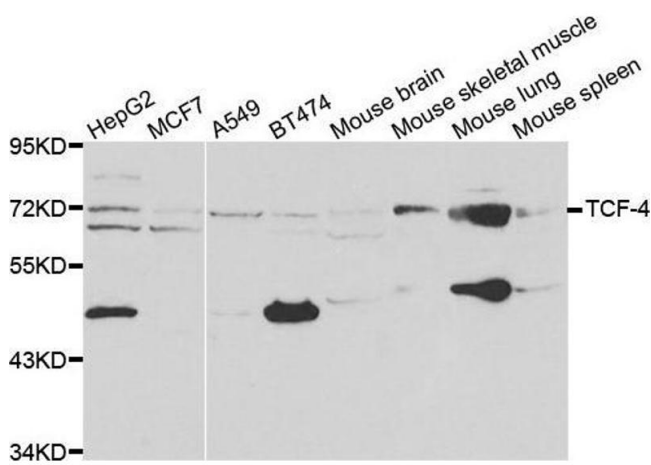
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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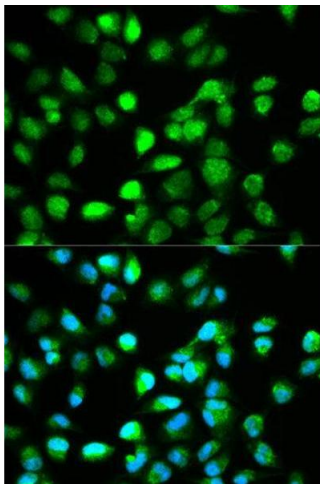
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using TCF4 Rabbit pAb (ABIN3021529, ABIN3021530, ABIN3021531, ABIN1513591 and ABIN6215200) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using TCF4 antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cell using TCF4 antibody. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3021530.