

TCF4 Rabbit pAb

Catalog No.: A1141 **4 Publications**

Basic Information

Observed MW

71kDa/

Calculated MW

71kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6925

Swiss Prot

P15884

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human TCF4 (NP_003190.1).

Synonyms

E2-2; FCD2; ITF2; PTHS; SEF2; CDG2T; FECD3; ITF-2; SEF-2; TCF-4; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; bHLHb19; TCF4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

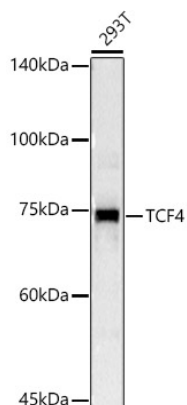
Affinity purification

Storage

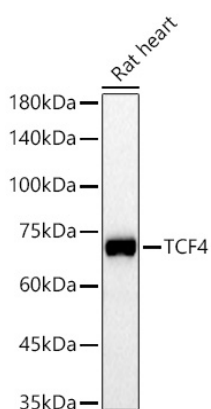
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



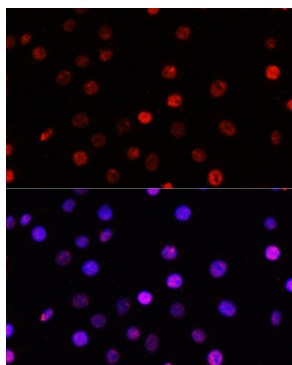
Western blot analysis of lysates from 293T cells, using TCF4 Rabbit pAb (A1141) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



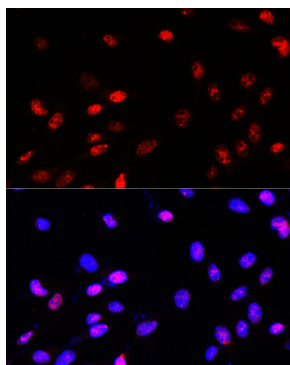
Western blot analysis of lysates from Rat heart using TCF4 Rabbit pAb (A1141) at 1:400 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



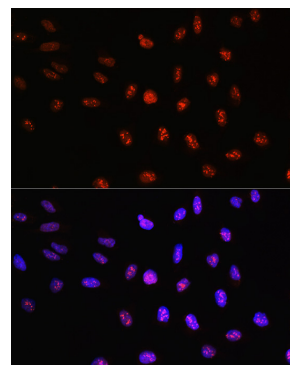
Western blot analysis of lysates from HCT 116 cells, using TCF4 Rabbit pAb (A1141) at 1:800 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of C6 cells using TCF4 Rabbit pAb (A1141) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)



Immunofluorescence analysis of NIH-3T3 cells using TCF4 Rabbit pAb (A1141) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit



Immunofluorescence analysis of U-2 OS cells using TCF4 Rabbit pAb (A1141) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)

Validation Data

(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.